

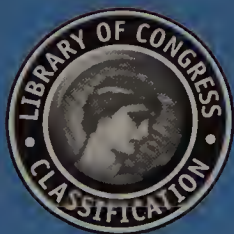
ANNA MARIA COLLEGE



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Q

Science



LIBRARY OF CONGRESS CLASSIFICATION
2009

LIBRARY OF CONGRESS CLASSIFICATION SCHEDULES

For sale by the Library of Congress, Cataloging Distribution Service, Washington, DC 20541-4912, to which inquiries on current availability and price should be addressed.

- A** General Works
- B-BJ** Philosophy. Psychology
- BL, BM, BP, BQ** Religion: Religions, Hinduism, Judaism, Islam, Buddhism
- BR-BX** Christianity. Bible
- C** Auxiliary Sciences of History
- D-DR** History (General) and History of Europe
- DS-DX** History of Asia, Africa, Australia, New Zealand, etc.
- E-F** History: American (Western Hemisphere)
- G** Geography. Maps. Anthropology. Recreation
- H** Social Sciences
- J** Political Science
- K** Law in General. Comparative and Uniform Law. Jurisprudence
- KB** Religious Law
- KD** Law of the United Kingdom and Ireland
- KDZ, KG-KH** Law of the Americas, Latin America, and the West Indies
- KE** Law of Canada
- KF** Law of the United States
- KJ-KKZ** Law of Europe
- KJV-KJW** Law of France
- KK-KKC** Law of Germany
- KL-KWX** Law of Asia and Eurasia, Africa, Pacific Area, and Antarctica.
- KZ** Law of Nations
- K Tables** Form Division Tables for Law
- L** Education
- M** Music
- N** Fine Arts
- P-PA** Philology and Linguistics (General). Greek Language and Literature. Latin Language and Literature
- PB-PH** Modern European Languages
- PJ-PK** Oriental Philology and Literature, Indo-Iranian Philology and Literature
- PL-PM** Languages of Eastern Asia, Africa, Oceania; Hyperborean, Indian, and Artificial Languages
- PN** Literature (General)
- PQ** French, Italian, Spanish, and Portuguese Literatures
- PR, PS, PZ** English and American Literature. Juvenile Belles Lettres
- PT** German, Dutch, and Scandinavian Literatures
- P-PZ Tables** Language and Literature Tables
- Q** Science
- R** Medicine
- S** Agriculture
- T** Technology
- U-V** Military Science. Naval Science
- Z** Bibliography. Library Science. Information Resources

WITHDRAWN

Q

Science

Library of Congress Classification
2009



LIBRARY OF
CONGRESS

Prepared by the Policy and Standards Division

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PREFACE

The first edition of Class Q, *Science*, was published in 1905. Subsequent editions appeared in 1913, 1921, 1948, 1950, 1973, 1989, 1996, 2004, and 2007. This 2009 edition cumulates changes that have been made since the 2007 edition was published.

Classification numbers or spans of numbers that appear in parentheses are formerly valid numbers that are now obsolete. Numbers or spans that appear in angle brackets are optional numbers that have never been used at the Library of Congress but are provided for other libraries that wish to use them. In most cases, a parenthesized or angle-bracketed number is accompanied by a "see" reference directing the user to the actual number that the Library of Congress currently uses, or a note explaining Library of Congress practice.

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<<http://www.loc.gov/aba/cataloging/classification/weeklylists/>>

Libby Dechman, cataloging policy specialist in the Policy and Standards Division, is responsible for coordinating the overall intellectual and editorial content of class Q. Kent Griffiths, assistant editor of classification schedules, creates new classification records and their associated index terms, and maintains the master database.

Barbara B. Tillett, Chief
Policy and Standards Division

February 2009

OUTLINE

Science (General)

Q

Mathematics

QA

Astronomy

QB

Physics

QC

Chemistry

QD

Geology

QE

Natural History (General) • Biology (General)

QH

Botany

QK

Zoology

QL

Human Anatomy

QM

Physiology

QP

Microbiology

QR

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- 180.55.E58 Environmental aspects
- 180.55.E65 Equipment and supplies
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- 180.55.F5 Finance
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Cf. Q190+ Audiovisual aids in science teaching

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 - Information theory
 - Cf. P87+ Communication
 - Cf. QA268 Coding theory (Mathematics)
 - Cf. TK5101+ Telecommunication (General)
 - Cf. ZA3038+ Information resources
 - 350 Periodicals, societies, congresses, serial publications
 - 352 Dictionaries and encyclopedias
 - 355 History
 - 360 General works, treatises, and textbooks
 - 365 Popular works
 - 367 Addresses, essays, lectures
 - 370 Measurements. Tables, calculations, etc.
 - 375 Uncertainty theory
 - 380 Noise
 - 385 Rate distortion theory
 - Knowledge representation
 - 387 General works
 - 387.2 Conceptual structures
 - 387.3 Description logics
 - 387.5 Semantic networks
 - 390 Frames
 - (500-510) Operations research
 - see T57.6+

- Mathematics
- 1 Periodicals, societies, congresses, serial publications
 - 3 Collected works (nonserial)
 - 5 Dictionaries and encyclopedias
 - 7 Addresses, essays, lectures
 - Philosophy
 - Cf. QA9.615 Recursive functions. Recursive arithmetic
 - Cf. QA248+ Foundations of arithmetic. Set theory
 - Cf. QA267+ Machine theory
 - Cf. QA681 Foundations of geometry
 - 8 Periodicals, societies, congresses, serial publications
 - 8.4 General works, treatises, and textbooks
 - 8.6 Addresses, essays, lectures
 - 8.7 Study and teaching. Research
 - Mathematical logic
 - 9.A1 Periodicals, societies, congresses, serial publications
 - 9.A5-Z General works, treatises, and textbooks
 - 9.2 Addresses, essays, lectures
 - Study and teaching. Research see QA8.7
 - Classical logical systems
 - Including reverse mathematics
 - 9.25 General works
 - 9.3 Propositional calculus
 - 9.35 Predicate calculus
 - 9.37 Infinitary languages
 - Nonclassical formal systems
 - 9.4 General works
 - 9.45 Many-valued logic
 - 9.46 Modal logic
 - Cf. BC199.M6 Logic
 - 9.47 Intuitionistic mathematics
 - 9.5 Combinatory logic and lambda calculus
 - 9.54 Proof systems
 - Constructive mathematics
 - 9.56 General works
 - 9.58 Algorithms
 - 9.59 Computable functions. Computability theory
 - Recursion theory
 - Cf. QA267+ Machine theory
 - 9.6 General works
 - 9.615 Recursive functions. Recursive arithmetic
 - 9.62 Hierarchies
 - 9.63 Unsolvability
 - 9.64 Fuzzy logic
 - Methodology of deductive systems
 - 9.65 Decidability. Gödel's theorem. Gödel numbers
 - 9.67 Completeness

- Philosophy
- Mathematical logic -- Continued
- 9.7 Model theory
- 9.8 Metamathematics
- 9.9 Matrix logic
- Algebraic logic
- 10 General works
- 10.3 Boolean algebra
- Cf. QA268.5 Switching theory
- 10.35 Quantum logic
- 10.4 Information theory in mathematics
- 10.5 Mathematics as a profession. Vocational guidance
- 10.7 Social aspects
- 10.8 War and mathematics
- Study and teaching. Research
- Cf. QA135+ Elementary mathematics
- 11.A1 Periodicals, societies, congresses, serial publications
- General works, treatises, and textbooks
- 11.A2-Z To 2000
- 11.2 2001-
- 11.5 Computer network resources
- Including the Internet
- 12 Addresses, essays, lectures
- By region or country
- United States
- General works
- 13 By region or state, A-Z
- 13.5.A-Z Subarrange each state by Table Q7
- 14.A-Z Other regions or countries, A-Z
- Subarrange each country by Table Q7
- Special teaching methods and aids
- 16 General works
- Audiovisual aids
- 18 General works, treatises, and textbooks
- 19.A-Z Special types, A-Z
- 19.A78 Art
- 19.B55 Blocks (Toys)
- 19.B8 Bulletin boards
- 19.C45 Charts, diagrams, etc.
- 19.C8 Cuisenaire rods
- 19.M34 Manipulatives
- 19.M6 Motion pictures
- 19.M87 Music
- 19.O9 Overhead projectors
- 19.P34 Paper work
- Including folding, cutting, etc.
- 19.P53 Picture books

- Study and teaching. Research
Special teaching methods and aids
Audiovisual aids
Special types, A-Z -- Continued
Television
Other methods, A-Z
Calculators
Computer-assisted instruction
Including computer-based experiments
Electronic spreadsheets
Games
Hieroglyphics
Individualized instruction
Magic tricks
Portfolios
Programmed instruction
For programmed texts, see QA36.5+ QA101+
Project method
Reading comprehension
Unit method of teaching
Whole brain learning
- 20.T4
20.A-Z
20.C34
20.C65
20.E43
20.G35
20.H54
20.I53
20.M33
20.P67
20.P7
20.P73
20.R43
20.U55
20.W46
20.3
- Awards, prizes, etc. Competitions
History
General
Ancient
Medieval
Modern
General see QA21
16th-18th centuries
19th-20th centuries
By region or country, A-Z
Women in mathematics. Women mathematicians
For biography see QA28+
Biography
Collective
Individual, A-Z
e.g.
Gauss
Jacobi
Napier
- 21
22
23
24
26
27.A-Z
27.5
28
29.A-Z
29.G3
29.J2
29.N2
30
30.3
31
32
- Directories
Early works through 1800
Egyptian
Greek
Including translations and commentaries
For Euclid's Elements as school textbooks see QA451
Medieval

- Early works through 1800 -- Continued
- 33 1501-1700
- 35 1701-1800
- General works
- 36 Comprehensive treatises
- Textbooks
- 36.5 Series of textbooks
- Advanced
- 37 1801-1969
- 37.2 1970-2000
- 37.3 2001-
- Intermediate (without calculus)
- 39 1801-1969
- 39.2 1970-2000
- 39.3 2001-
- Elementary see QA101+
- 40 Handbooks, manuals, etc.
- Popular works see QA93
- 40.5 Juvenile works
- 41 Formulas, notation, abbreviations
- 41.3 Nomenclature, terminology
- Communication of mathematical information
- 41.4 General works
- 41.5 Information services
- 41.6 Computer network resources
- Including the Internet
- 41.7 Mathematical literature
- 42 Language. Authorship
- 43 Problems, exercises, examinations
- Tables
- Cf. QA281 interpolation. Extrapolation
- 47 General tables
- 49 Multiplication tables
- Including squares and cubes, square roots and cube roots, reciprocals
- 51 Factor tables
- Logarithms. Tables of mathematical functions
- Including trigonometric, hyperbolic, etc.
- 55 General works
- 59 Theory and use of logarithms
- 63 Problem solving
- Instruments and machines
- Including practical mathematics, graphical and numerical calculating
- 71 General works, treatises, and textbooks
- 73 Slide rules
- 74 Computation laboratories

Instruments and machines -- Continued

Calculating machines

For works on the use of calculators in mathematic
instruction see QA20.C34

75

General works

Electronic computers. Computer science

Including electronic data processing and computer systems

For applications in special fields, see the field, e.g.

QD39.3.E46, Electronic data processing in chemistry

Cf. QA267+ Machine theory

Cf. TK7885+ Computer engineering

75.5

Periodicals, societies, congresses, serial publications

76

General works, treatises, and textbooks

76.15

Dictionaries and encyclopedias

Communication of computer science information

76.16

General works

76.162

Information services

76.165

Language. Authorship

76.167

Philosophy

76.17

History

Biography

76.2.A2

Collective

76.2.A3-Z

Individual, A-Z

76.215

Directories

76.23

Juvenile works

76.24

Addresses, essays, lectures

76.25

Computer science as a profession. Vocational guidance

Study and teaching. Research

76.27

General works

76.28

Problems, exercises, examinations

76.3

Certification of electronic data processing personnel

76.33

Computer camps

Laboratories

76.35

General works

76.36.A-Z

Individual laboratories, A-Z

76.38

Hybrid computers

76.4

Analog computers

Digital computers

76.5

General works

76.52

Juvenile works

76.525

Microcomputer workstations

76.527

Network computers

76.53

Time-sharing data processing

Real-time data processing

76.54

General works

76.545

Transaction systems

Instruments and machines

Calculating machines

Electronic computers. Computer science

Digital computers -- Continued

Online data processing

Including general online information services and general videotex systems

76.55

General works

76.57.A-Z

Special systems, A-Z

76.57.A43

America Online

76.57.A77

AT&T WorldNet

76.57.C65

CompuServe

76.57.D44

DELPHI

76.57.E88

eWorld (Online service)

76.57.G45

GENie (Videotex system)

76.57.G48

GNN

76.57.M52

Microsoft Network

76.57.M55

Minitel

76.57.P75

Prodigy (Online service)

76.57.P77

ProfNet

76.57.S68

SOURCE (Videotex system)

76.57.T44

TÉLÉTEL (Videotex system)

76.57.U43

UMI Online (Videotex system)

76.575

Multimedia systems

Cf. QA76.76.I59 Interactive multimedia

76.58

Parallel processing. Parallel computers

76.59

Mobile computing

76.5915

Ubiquitous computing

76.592

Wearable computers

Programming

For computer programs and other software see
QA76.75+

76.6

General works

76.612

Constraint programming

76.615

Declarative programming

76.618

Evolutionary programming

76.62

Functional programming

Including functional programming languages

76.623

Genetic programming

76.624

Generative programming

76.6245

Generic programming

76.625

Internet programming. Intranet programming

76.63

Logic programming

76.635

Microprogramming

76.64

Object-oriented programming

Including OPEN method

76.642

Parallel programming

Instruments and machines

Calculating machines

Electronic computers. Computer science

Digital computers

Programming -- Continued

76.65

Visual programming

76.66

Systems programming

Programming languages

76.7

General works

76.73.A-Z

Individual languages, A-Z

e.g.

76.73.A24

ALGOL

76.73.A27

APL

76.73.B3

BASIC

76.73.C15

C

76.73.C153

C++

76.73.C154

C#

76.73.C25

COBOL

76.73.D25

DRL

76.73.F25

FORTRAN

MySQL see QA76.73.S67

76.73.P25

PL/1

76.73.P67

PostScript

Class here works on designing or writing compilers
for PostScript

For works on using PostScript to control the page
appearance of paper documents, see Z52.5 or
Z250.8.P68

76.73.S67

SQL. MySQL

76.73.Z2

Z

Computer software

For individual programs, see the type of program, e.g.

QA76.76.T49 Text editors

For application programs, see the field, e.g. HF5548.4.L67

Lotus 1-2-3

76.75

Periodicals. Societies. Serials

76.751

Congresses

76.752

Dictionaries

76.753

Catalogs

76.754

General works

76.755

Handbooks, tables, etc.

76.756

Addresses, essays, lectures

76.758

Software engineering

Including software reengineering

76.76.A-Z

Special topics, A-Z

76.76.A63

Application program interfaces

76.76.A65

Application software

- Instruments and machines
Calculating machines
Electronic computers. Computer science
Computer software
Special topics, A-Z -- Continued
- 76.76.A87 Assemblers
76.76.C47 Certification of software
76.76.C54 Children's software
76.76.C64 Compatibility of software
76.76.C65 Compilers
Including compilers of individual computer programming languages
76.76.C66 Component software
76.76.C672 Computer games
Class here works on programming computer games
For general works on computer games as well as works on specific computer games and actual software see GV1469.15+
- 76.76.C68 Computer viruses
76.76.C69 Configuration management
76.76.C73 Costs
76.76.D47 Development
76.76.D49 Device drivers
Including individual device drivers
76.76.D57 Disassemblers
Including decompilers
76.76.D63 Documentation of software
76.76.E93 Evaluation of software
76.76.E95 Expert systems
76.76.F34 Failures of software
File conversion software see QA76.9.F48
76.76.G46 Generators
76.76.H85 Human factors
(76.76.H92) Hypermedia systems
see QA76.76.I59
76.76.H94 Hypertext systems
Including hypertext document markup languages, e. g. HTML (Document markup language), etc.
- 76.76.I55 Install programs
76.76.I57 Integrated software
76.76.I58 Intelligent agents
76.76.I59 Interactive media. Hypermedia
Cf. QA76.575 Multimedia systems
Measurement, Software see QA76.76.S65
76.76.M52 Microsoft .NET
76.76.M54 Middleware
Including object monitors

	Instruments and machines
	Calculating machines
	Electronic computers. Computer science
	Computer software
	Special topics, A-Z -- Continued
76.76.O63	Operating systems
	Including DOS, UNIX, OS/2, etc.
76.76.P37	Patterns, Software
76.76.P74	Productivity
76.76.P76	Protection of software
76.76.Q35	Quality control
76.76.R42	Refactoring of software
76.76.R44	Reliability
76.76.R47	Reusability
76.76.S37	Screen savers
76.76.S375	Self-adaptive software
76.76.S46	Shareware
	Software failures see QA76.76.F34
76.76.S64	Software maintenance
	Including Year 2000 date conversion
76.76.S65	Software measurement
76.76.S66	Software support
76.76.S69	Spyware
76.76.S73	Standards for software
76.76.S95	Systems software
76.76.T45	Teleprocessing monitors
76.76.T47	Termination
76.76.T48	Testing of software
76.76.T49	Text editors
	For works on how to use text editors to produce paper documents, see Z52, Z253.3+, or Z253.53+
76.76.T55	Threads
76.76.T83	Translators
76.76.U84	Utilities
76.76.V47	Verification and validation of software
	Viruses see QA76.76.C68
76.76.W56	Windows
	Year 2000 date conversion see QA76.76.S64
76.765	Firm-ware
76.8.A-Z	Special computers, computer systems, and microprocessors. By name, A-Z
	e.g.
76.8.I12	IBM 360
76.8.U6	Univac
76.8.U7	Ural
76.84	Fourth generation computers
76.85	Fifth generation computers

	Instruments and machines
	Calculating machines
	Electronic computers. Computer science -- Continued
76.87	Neural computers. Neural networks
76.875	Immunocomputers
76.88	Supercomputers. High performance computing
	Including heterogeneous computing
76.885	Petaflops computers
76.887	Molecular computers. DNA computers
76.889	Quantum computers
76.89	Pen-based computers
76.9.A-Z	Other topics, A-Z
76.9.A23	Abstract data types
76.9.A25	Access control. Computer security
	Cf. HF5548.37 Security measures in electronic data processing departments
76.9.A3	Adaptive computing
76.9.A43	Algorithms
76.9.A48	Ambient intelligence
76.9.A73	Architecture, Computer
76.9.A93	Auditing
	Class here works on the auditing of electronic data processing systems and activities
	For works dealing with the auditing of electronic data processing departments see HF5548.35
76.9.A955	Automatic hypothesis formation
76.9.A96	Automatic theorem proving
76.9.A97	Autonomic computing
76.9.B22	B method
76.9.B32	Backup processing
76.9.B38	Batch processing
76.9.B84	Bulletin boards
	Camps, Computer see QA76.33
	Children and computers see QA76.9.C659
	Civilization and computers see QA76.9.C66
76.9.C55	Client/server computing
76.9.C58	Computational grids
	Computer algorithms see QA76.9.A43
	Computer architecture see QA76.9.A73
76.9.C62	Computer arithmetic
	Computer camps see QA76.33
76.9.C63	Computer capacity
76.9.C64	Computer literacy
	Computer logic see QA76.9.L63
	Computer mathematics see QA76.9.M35
76.9.C643	Computer organization

- Instruments and machines
- Calculating machines
- Electronic computers. Computer science
- Other topics, A-Z -- Continued
- 76.9.C65
 - Computer simulation
 - Cf. T57.62+ Industrial engineering
 - Cf. TA343 Engineering mathematics
 - Computer system failures see QA76.9.F34
- 76.9.C659
 - Computers and children
 - Cf. LC40.5.C66 Computer-assisted home schooling
- 76.9.C66
 - Computers and civilization. Social aspects of computers
 - Computers and family see QA76.9.F35
 - Computers and older people see QA76.9.O43
 - Computers and women see QA76.9.W65
- 76.9.C67
 - Constraint databases
 - Conversion of computer files see QA76.9.F48
- 76.9.C68
 - Conversion of computer systems
- 76.9.C72
 - Cookies (Computer science)
- 76.9.C92
 - Cyberinfrastructure
- 76.9.D26
 - Database design
- 76.9.D3
 - Database management
 - Cf. QA76.9.D37 Data warehousing
- 76.9.D314
 - Database security
- 76.9.D32
 - Databases
 - Including online databases
 - Cf. QA76.9.W43 Web databases
- 76.9.D33
 - Data compression
- 76.9.D337
 - Data entry
- 76.9.D34
 - Data marts
- 76.9.D343
 - Data mining
 - Including OLAP technology
- 76.9.D345
 - Data preparation
- 76.9.D348
 - Data recovery
- 76.9.D35
 - Data structures
 - Cf. QA76.9.C72 Cookies (Computer science)
- 76.9.D37
 - Data warehousing
- 76.9.D43
 - Debugging in computer science
 - Including structured walkthrough
- 76.9.D5
 - Distributed processing
- 76.9.D6
 - Documentation
 - Cf. QA76.76.D63 Software documentation
- 76.9.E25
 - Economic aspects
- 76.9.E53
 - End-user computing
- 76.9.E57
 - Entertainment computing
- 76.9.E77
 - Error messages
 - Ethical aspects see QA76.9.M65

Instruments and machines

Calculating machines

Electronic computers. Computer science

Other topics, A-Z

- 76.9.E94 Evaluation of computer performance
- 76.9.E95 Evaluation of data processing activities
- Expert systems see QA76.76.E95
- 76.9.F34 Failures of computer systems
Cf. QA76.76.F34 Software failures
- 76.9.F35 Computers and family
- 76.9.F38 Fault-tolerant computing
- 76.9.F48 File conversion
Including individual file conversion software, e.g. Adobe Acrobat
- 76.9.F5 File organization
- 76.9.F53 File processing
- 76.9.F67 Formal methods
- 76.9.G37 Garbage collection
- 76.9.G68 Government policy
- Granular computing see QA76.9.S63
- Graphical user interfaces see QA76.9.U83
- Grids, Computational see QA76.9.C58
- 76.9.H35 Hard disk management
- 76.9.H36 Hashing
- 76.9.H85 Human-computer interaction
- 76.9.I52 Information visualization
- 76.9.I55 Input design
- 76.9.I58 Interactive computer systems
- 76.9.K48 Keyboarding
Class here works on keyboarding computer formats, such as punched cards or punched tape
For works on keyboarding eye-readable reports and displays see Z49+
- 76.9.L63 Logic, Computer
- 76.9.M3 Management
- 76.9.M35 Mathematics, Computer
- 76.9.M45 Memory management
- 76.9.M65 Moral and ethical aspects
- 76.9.M68 Multilingual computing
- 76.9.N37 Natural computation
- 76.9.N38 Natural language processing
Cf. P98+ Linguistics
- 76.9.N47 Netcentric computing
- 76.9.O35 Object-oriented methods
Cf. QA76.64 Object-oriented programming
- OLAP technology see QA76.9.D343
- 76.9.O43 Computers and older people

	Instruments and machines
	Calculating machines
	Electronic computers. Computer science
	Other topics, A-Z -- Continued
76.9.O59	Olympiads
	Online databases see QA76.9.D32
	Organization, Computer see QA76.9.C643
76.9.P75	Psychological aspects
76.9.Q4	Question-answering systems
	Religious aspects see BL255.5
76.9.R45	Remote job entry
	Security, Computer see QA76.9.A25
	Security, Data base see QA76.9.D314
76.9.S54	Self-stabilization
	Social aspects of computers see QA76.9.C66
76.9.S63	Soft computing
	Including granular computing
	Software maintenance see QA76.76.S64
76.9.S8	Standards
	Cf. QA76.76.S73 Standards for software
76.9.S84	Structured techniques
	Structured walkthrough see QA76.9.D43
76.9.S88	System design
	System failures see QA76.9.F34
76.9.S9	Systems migration
76.9.T43	Technical support
	Cf. QA76.76.S66 Software support
76.9.T48	Text processing
76.9.T7	Transborder data flow
76.9.U83	User interfaces
	Including graphical user interfaces
76.9.V5	Virtual computer systems
	Visualization, Information see QA76.9.I52
76.9.W43	Web databases
76.9.W65	Computers and women
76.95	Use of electronic computers in mathematics
	For works on the use of calculators in mathematics instruction see QA20.C34
	For works on computer-assisted instruction in mathematics see QA20.C65
	Miscellaneous geometrical instruments
	Cf. T375+ Drawing instruments
77	General works
81	Planimeters
	Mechanical aids in higher analysis
85	General works
90	Graphic methods (General). Nomography

- 93 Popular works
- 95 Mathematical recreations
For Rubik's Cube, Rubik's Revenge, Rubik's Snake, etc.
see QA491
- 99 Miscellany and curiosa
Elementary mathematics. Arithmetic
Including basic mathematical concepts for the elementary grades
Cf. QA248+ Foundations of arithmetic
Textbooks
- 101 Through 1845
- 103 1846-1900
- 106 1901-1960
- 107 1961-2000
- 107.2 2001-
- 109 Special aspects of the subject as a whole
- 111 Rapid calculators and short cuts
- 113 Counting
Class here works dealing with counting, including counting
books and other forms of materials
For works dealing with numeration, the concept of
numbers, and numeration systems see QA141+
- 115 Elementary operations
e.g. addition, subtraction, multiplication, division
- 117 Fractions
Including proportion, ratio
- 119 Roots
Including square root, cube root
Study and teaching
Cf. LC4621 Education of children with mental disabilities
General works, treatises, and textbooks
- 135 Through 1960
- 135.5 1961-2000
- 135.6 2001-
- 137 Teaching fractions
- 139 Problems, exercises, examinations
Numeration, number concept, numeration systems
Cf. QA241+ Theory of numbers
Cf. QA297+ Numerical analysis
- 141 General works, treatises, and textbooks
- 141.15 Number concept (Elementary)
Cf. BF456.N7 Numbers. Mathematics (Psychology)
- 141.2 History
Cf. GN476.15 Primitive numeration
Cf. P211+ History of writing
- 141.3 Juvenile works

	Elementary mathematics. Arithmetic
	Numeration, number concept, numeration systems --
	Continued
141.35	Decimal system
	Class here expository and historical works on the decimal system
	For tables, arithmetic, and other works with values expressed mainly in the decimal system, see the special class numbers that are provided for particular fields, e. g. QA101 Arithmetic. For tables, arithmetic, etc., for other special systems, see QA141.4+
141.4	Binary system
	Duodecimal system
141.5.A1	Periodicals, societies, congresses, serial publications
141.5.A2-Z	General works, treatises, and textbooks
141.6	Octal system
141.8.A-Z	Other special systems, A-Z
141.8.Q5	Quinary system
141.8.S4	Sexadecimal system
141.8.S5	Sexagesimal system
141.8.T45	Ternary system
(145)	Algebra and arithmetic
	see QA101+
	Algebra
150	Periodicals, societies, congresses, serial publications
151	History
	Textbooks
	Elementary
152	Through 1970
152.2	1971-2000
152.3	2001-
	Advanced
154	Through 1970
154.2	1971-2000
154.3	2001-
154.8	Early works to 1800
155	General works and treatises
	Including higher algebra
155.15	Juvenile works
155.2	Addresses, essays, lectures
155.5	Special aspects of the subject as a whole
155.7.A-Z	Special topics, A-Z
155.7.E4	Electronic data processing
157	Problems, exercises, examinations
	Study and teaching. Research
159	General works
159.2	Outlines, syllabi, etc.

- Algebra -- Continued
- 161.A-Z Miscellaneous elementary topics, A-Z
 - 161.B48 Binomial coefficients
 - 161.B5 Binomial theorem
 - 161.E95 Exponents
 - 161.F3 Factors
 - Logarithms see QA59
 - Polynomials
 - 161.P59
 - 162 Abstract algebra
 - Cf. QA10.3 Boolean algebra
 - Combinatorics. Combinatorial analysis
 - 164 General works
 - 164.8 Enumeration problems. Generating functions
 - Cf. QA353.G44 Special functions
 - 164.9 Identities
 - 165 Permutations. Combinations. Partitions
 - Including magic squares and magic cubes
 - Graph theory
 - Cf. QA612.18 Map-coloring problem
 - 166 General works
 - 166.14 Bipartite graphs
 - 166.15 Directed graphs
 - 166.16 Perfect graphs
 - 166.165 Quantum graphs
 - 166.17 Random graphs
 - 166.175 Fuzzy graphs
 - 166.18 Hamiltonian graph theory
 - 166.185 Intersection graph theory
 - 166.19 Eulerian graph theory
 - 166.195 Topological graph theory
 - 166.197 Graph labelings
 - Including magic labelings
 - 166.2 Trees
 - 166.22 Paths and cycles
 - 166.23 Hypergraphs
 - 166.24 Reconstruction
 - 166.242 Representations of graphs
 - 166.243 Graph connectivity
 - 166.245 Graph algorithms
 - 166.247 Graph coloring
 - Design and configurations
 - 166.25 General works
 - 166.3 Block designs
 - 166.4 Hadamard matrices
 - 166.6 Matroids. Greedoids
 - 166.7 Packing and covering
 - 166.75 Polyominoes

	Algebra
	Combinatorics. Combinatorial analysis
	Design and configurations -- Continued
166.8	Tessellation and tiling
	Combinatorial geometry
167	General works
167.2	Finite geometries
169	Homological algebra
	Including functors, categories
(171)	Group theory
	see QA174+
	Ordered sets
171.48	General works
171.485	Partially ordered sets
171.49	Semilattices
171.5	Lattice theory
	Cf. QD921+ Crystal lattices
	Ordered algebraic structures
172	General works
172.4	Ordered groups
	Group theory
	Cf. QA172.4 Ordered groups
	Cf. QA385+ Continuous groups
	Cf. QA387 Topological groups. Lie groups
	Cf. QA613.7 Topological transformation groups
	Cf. QA614.97 Pseudogroups and deformations of structures
	Cf. QC174.17.G7 Quantum theory
	Cf. QD455.3.G75 Physical chemistry
174	Periodicals, societies, congresses, serial publications
174.2	General works
174.5	Juvenile works
	Study and teaching. Research
174.6	General works
174.62.A-Z	Special topics, A-Z
174.62.C65	Computer-assisted instruction
174.7.A-Z	Special topics, A-Z
174.7.D36	Data processing
174.7.S96	Symmetry
175	Permutation groups
176	Representations of groups
177	Finite groups
178	Infinite groups
179	Linear algebraic groups
180	Abelian groups
181	Groupoids
181.5	Quasigroups

Algebra

- Group theory -- Continued
- 182 Semigroups
- 182.5 Combinatorial group theory
- 183 Geometric group theory
- Linear and multilinear algebra. Matrices
 - Cf. QA243 Bilinear forms
 - General works, treatises, and textbooks
 - 184 To 2000
 - 184.2 2001-
 - 184.5 Problems, exercises, examinations
 - 185.A-Z Special topics, A-Z
 - 185.C65 Computer-assisted instruction
 - 185.D37 Data processing
 - 186 Vector spaces
 - 187 Linear dependence
 - Matrices
 - 188 General works
 - 191 Determinants
 - 192 Elimination
 - 193 Eigenvalues and eigenvectors
 - 195 Proximity matrices
 - 196 Quaternions
 - 197 Triangularization
 - 199 Clifford algebras
 - 199.5 Multilinear algebra. Tensor products
 - Vector and tensor algebra
 - Cf. QA433 Vector and tensor analysis
 - 200 General works
 - 201 Invariants
 - 205 Exterior algebra. Ausdehnungslehre
 - Theory of equations
 - 211 General works, treatises, and textbooks
 - 212 Roots. Symmetric functions
 - Cf. QA119 Elementary mathematics
 - 214 General resolution of equations
 - Including simultaneous equations
 - 215 Cubic, biquadratic, and other particular equations
 - 218 Numerical solutions
 - 219 Graphic algebra
 - Approximation theory
 - Cf. QA297+ Numerical analysis
 - 221 General works
 - 223 Radial basis functions
 - 224 Spline theory
 - Number theory
 - 241 General works, treatises, and textbooks

	Algebra
	Number theory -- Continued
241.5	Geometry of numbers
241.7	Probabilistic number theory
242	Divisibility. Linear congruences. Factorization. Quadratic residues. Diophantine analysis
	Arithmetical algebraic geometry
242.5	General works
242.6	Arakelov theory
243	Forms
	Including quadratic, bilinear forms
244	Higher congruences, residues. Fermat's theorem
245	Cyclotomy. Application of functions to arithmetic
246	Distribution of primes. Special numerical functions, etc.
246.5	Sequences of integers
	Exponential and character sums
246.7	General works
246.8.A-Z	Special sums, A-Z
246.8.G38	Gaussian
246.8.K58	Kloosterman
246.8.T75	Trigonometric
	Algebraic fields. Algebraic numbers
247	General works
	Modular fields. Finite fields
247.3	General works
247.35	Modular arithmetic
247.4	Differential and difference algebra
247.45	Division algebras
247.5	Transcendental numbers. Irrational numbers
	Foundations of arithmetic. Set theory. Transfinite numbers
248	General works
248.3	Elementary textbooks
248.5	Fuzzy sets
	Recursive functions. Recursive arithmetic see QA9.6+
251	Universal algebra
	Cf. QA184+ Linear and multilinear algebra
251.3	Commutative rings and algebras
251.35	Group rings
251.38	Local rings
251.4	Noncommutative rings and algebras
251.5	Associative rings and algebras
	Nonassociative rings and algebras
252	General works
252.3	Lie algebras. Lie superalgebras
	Cf. QA387 Lie groups
252.5	Jordan algebras
255	Complex numbers

- Algebra -- Continued
- (263) Matrices
 see QA188+
- Machine theory. Abstract machines. Abstract automata
 Cf. QA9.6+ Recursive functions
 Cf. QA75.5+ Electronic computers
 Cf. QA402.3+ Control theory
- 267 General works, treatises, and textbooks
- 267.3 Formal languages
 Cf. P98+ Language data processing
- 267.5.A-Z Special types of machines, A-Z
- 267.5.C45 Cellular automata
- 267.5.F89 Fuzzy automata
- 267.5.P7 Probabilistic automata
- 267.5.S4 Sequential machines
- 267.5.T45 Temporal automata
- 267.7 Computational complexity. Kolmogorov complexity
- 268 Coding theory
- 268.5 Switching theory
 Cf. QA10.3 Boolean algebra
 Cf. TK7868.S9 Switching circuits
- Game theory
- 269 General works
 Cf. T57.92 Industrial engineering
- 270 Games of strategy
- 271 Games of chance
- 272 Differential games
- 272.5 Noncooperative games
- Probabilities
 Cf. T57.3+ Industrial engineering
 Cf. TA340 Engineering mathematics
- 273.A1 Periodicals, societies, congresses, serial publications
- 273.A3 Dictionaries and encyclopedias
- 273.A4 History
- 273.A5-Z General works, treatises, and textbooks
- 273.15 Popular works
- 273.16 Juvenile works
- 273.18 Addresses, essays, lectures
- 273.19.A-Z Special topics, A-Z
- 273.19.E4 Electronic data processing
- Study and teaching. Research
- 273.2 General works
- 273.25 Problems, exercises, examinations
- 273.26 Computer-assisted instruction
- 273.27 Programmed instruction
- 273.3 Handbooks, tables, formulas, etc.
- 273.4 Axioms and foundations

Probabilities -- Continued

- 273.43 Probability theory on algebraic and topological structures
- 273.45 Combinatorial probabilities
- 273.5 Geometric probability. Stochastic geometry. Random sets
- 273.6 Distributions. Characteristic functions
- 273.67 Limit theorems
- Stochastic processes
 - Cf. T57.33 Renewal theory
 - Cf. T57.35+ Renewal theory
 - Cf. T57.9 Queuing theory
- 274.A1 Periodicals, societies, congresses, serial publications
- 274.A5-Z General works, treatises, and textbooks
- 274.12 Problems, exercises, etc.
- 274.13 Axioms and foundations
- Stochastic analysis
 - 274.2 General works
 - 274.22 Stochastic integrals
 - 274.223 Stochastic inequalities
 - 274.225 Stochastic sequences
 - 274.23 Stochastic differential equations
 - 274.25 Stochastic partial differential equations
 - 274.27 Stochastic integral equations
 - 274.28 Random operators
 - 274.29 White noise theory
- 274.3 Stationary processes
- 274.4 Gaussian processes
- 274.42 Point processes
- 274.45 Random fields
- 274.46 Random measures
- 274.5 Martingales. Semimartingales
- 274.6 Learning models
- Markov processes. Markov chains
 - 274.7 General works
 - 274.73 Random walks
 - 274.75 Diffusion processes. Brownian motion processes
 - Cf. QC183 Constitution and properties of matter and anti-matter
- 274.755 Jump processes
- 274.76 Branching processes
- 274.8 Queuing theory
- 274.9 Self-similar processes
- 275 Theory of errors. Least squares

Mathematical statistics

Including statistical inference and fundamental concepts of statistics

For special applications of statistics, see the field of application, e.g. HD1421+ Agricultural statistics; LB2846 Educational statistics; TA340 Statistical methods in engineering

276.A1

Periodicals, societies, congresses, serial publications

276.A12

Collected works (nonserial)

276.A2-Z

General works

276.12

Elementary texts

Including descriptive statistics

276.13

Juvenile works

276.14

Dictionaries and encyclopedias

276.15

History

Biography

276.156

Collective

276.157.A-Z

Individual, A-Z

276.16

Addresses, essays, lectures

276.17

Statistics as a profession. Vocational guidance

Study and teaching. Research

276.18

General works

276.19

Outlines, syllabi

276.2

Problems, exercises, examinations

276.22

Computer-assisted instruction

276.23

Geometrical models

276.25

Handbooks, tables, formulas, etc.

Including tables of random numbers

276.3

Graphic methods

Data processing

Class here works on the use of data processing and computers in mathematical statistics in general

For the application of statistical data processing and statistical analysis programs in special fields see the field, e. g.

HF5415.125, Marketing; T57.5, Industrial engineering

276.4

General works

276.45.A-Z

Special programs or languages, A-Z

276.45.M53

Microsoft Excel

276.45.R3

R (Computer program language)

276.45.S28

SCA statistical system

276.45.S83

Statistica

276.5

Fuzzy statistics

276.6

Sampling theory and methods

276.7

Sampling distribution

276.74

Tolerance regions. Confidence intervals

276.8

Estimation theory

276.9

Minimum message length. Minimum description length

Testing of hypotheses

- Mathematical statistics
Testing of hypotheses -- Continued
- 277 General works
- 277.3 Chi-square test
- 277.5 Observed confidence levels
- Multivariate analysis
- 278 General works
- 278.2 Regression analysis. Correlation analysis
- 278.3 Path analysis. Structural equation modeling
- 278.4 Paired and multiple comparisons
- 278.5 Factor analysis. Principal components analysis.
Correspondence analysis
- 278.6 Latent structure analysis
- 278.65 Discriminant analysis
- 278.7 Order statistics
- 278.75 Ranking and selection
- 278.8 Nonparametric methods
- Analysis of variance and covariance. Analysis of means.
Experimental design
- 279 General works
- 279.2 Prediction analysis
- Decision theory
- 279.4 General works
- 279.5 Bayesian statistics
- 279.6 Fuzzy decision making
- 279.7 Multistage decision procedures. Sequential analysis
- 280 Time series analysis
- 281 Interpolation. Extrapolation
- Cf. QA47+ Mathematical tables
- Cf. QA221+ Approximation theory
- Cf. QA273.A1+ Probabilities. Theory of errors. Least
squares
- Cf. QA297+ Numerical analysis
- 292 Sequences
- Cf. QA246.5 Sequences of integers
- 295 Series
- Including infinite products and other infinite processes
- Numerical analysis
- Cf. QA221+ Approximation theory
- 297 General works, treatises, and textbooks
- 297.3 Problems, exercises, etc.

- 297.5 Numerical analysis -- Continued
 Numerical approximation
 For numerical solution to differential equations, including
 initial value problems and boundary value problems
 see QA370+
 Cf. QA71+ Instruments and machines
 Cf. QA90 Graphic methods. Nomography
 Cf. QA218 Numerical solutions of algebraic equations
 Cf. QA275 Least squares
 Cf. QA281 Interpolation. Extrapolation
- 297.55 Relaxation methods
- 297.6 Smoothing. Curve fitting
- 297.7 Roundoff errors
- 297.75 Interval analysis
- 297.8 Iterative methods
- 298 Numerical simulation. Monte Carlo method
 Cf. T57.62+ Industrial engineering
- 299 Numerical differentiation
 Numerical integration
 General works
 Special formulas, A-Z
 Cubature formulas
 Gaussian quadrature formulas
- 299.3 Analysis
 Including calculus, functional analysis, functions, differential
 equations
- 299.6 Periodicals, societies, congresses, serial publications
 Foundations
 General works
 Nonstandard analysis
- 299.8 General works, treatises, and textbooks
- 299.82 Addresses, essays, lectures
- 300 Problems, exercises, examinations
- 300.5 Early works through 1800
- 301 Calculus
 Cf. QA431 Calculus of differences
 General works, treatises, and textbooks
- 302 Through 2000
 2001-
- 303 Study and teaching. Research
- 303.2 Special topics, A-Z
 Computer-assisted instruction
- 303.3 Data processing
- 303.5.A-Z Differential calculus
 General works
- 303.5.C65 Problems, exercises, examinations
- 303.5.D37 Miscellaneous special topics
- 304
- 305
- 306

Analysis

Calculus -- Continued

Integral calculus

308

General works

309

Problems, exercises, examinations

310

Tables of integrals

311

Miscellaneous special topics

Measure and integration

Including Lebesgue integrals

312

General works

312.5

Fuzzy measure theory

313

Ergodic theory

Cf. QA329.2 Linear operators

Cf. QA611.5 Topology

314

Fractional calculus

Calculus of variations

Cf. QA402.3+ Control theory

315

General works

316

Miscellaneous special topics

Functional analysis

319

Periodicals, societies, congresses, serial publications

320

General works

321

Addresses, essays, lectures

321.5

Nonlinear functional analysis

322

Topological linear spaces

322.2

Normed linear spaces. Banach spaces

322.4

Inner product spaces. Hilbert spaces

322.5

Indefinite inner product spaces

323

Function spaces

324

Theory of distributions

325

Measures, integration, derivatives

326

Topological algebras. Banach algebras

Operator theory

329

General works

329.2

Linear operators

Differential operators

329.4

General works

329.42

Partial differential operators

329.6

Integral operators

329.7

Pseudodifferential operators

Nonlinear operators

329.8

General works

329.9

Fixed point theory

Cf. QA612.24 Fixed points and coincidences

Theory of functions

331

General works, treatises, and advanced textbooks

331.3

Elementary textbooks

Analysis

- Theory of functions -- Continued
- 331.5 Functions of real variables
- 331.7 Functions of complex variables
- Riemann surfaces
 - Including multiform, uniform functions
- 333 General works
- 335 Fuchsian groups
- 337 Teichmüller spaces
- 341 Algebraic functions
- 342 Logarithmic, circular, and exponential functions
- 343 Elliptic functions. Elliptic integrals. Modular functions
- 345 Abelian functions. Theta functions
 - Including hyperelliptic functions
- Special functions
 - Cf. QA406 Spherical harmonics
 - Cf. QA408 Bessel functions
 - Cf. QA409 Lamé functions
- 351 General
- 353.A-Z Other special functions, A-Z
 - 353.A9 Automorphic. Fuchsian
 - 353.C17 C-functions
 - 353.C64 Concave functions
 - 353.E5 Entire functions
 - Fuchsian see QA353.A9
 - 353.G3 Gamma
 - 353.G44 Generating functions
 - Cf. QA164.8 Combinatorial analysis
 - 353.H9 Hypergeometric
 - 353.P4 Periodic functions
 - 353.T7 Transcendental functions
- 355 Miscellaneous special topics
- 360 Geometric principles of analysis. Mapping of regions.
 - Conformal representation
 - Cf. QA646 Differential geometry
- Differential equations
 - 370 Periodicals, societies, congresses, serial publications
 - 371 General works, treatises, and textbooks
 - Study and teaching. Research
 - 371.3 General works
 - 371.32 Outlines, syllabi, etc.
 - 371.35 Computer-assisted instruction
 - 371.5.A-Z Special topics, A-Z
 - 371.5.D37 Data processing
 - 372 Ordinary differential equations (linear and nonlinear)
 - 372.5 Differential-algebraic equations
 - 373 Differential-difference equations

Analysis

Differential equations -- Continued

- 374 Partial differential equations (first order)
- 377 Partial differential equations (second and higher orders)
- 377.5 Degenerate differential equations
- 378 Initial value problems
- 379 Boundary value problems
- 380 Bifurcation theory
- 381 Differential forms and invariants

Cf. QA614.46 Pfaffian systems

Continuous groups (of transformations). Infinitesimal transformations

- 385 General works

- 387 Topological groups. Lie groups

Cf. QA613.7 Topological transformation groups

Cf. QA613.8 Hopf algebras

Cf. QA614.97 Pseudogroups and deformations of structures

Analytical methods used in the solution of physical problems

Including mathematical physics (mathematical theory only)

Cf. QC19.2+ Mathematical physics

Cf. TA329+ Engineering mathematics and engineering analysis

- 401 General works, treatises, and textbooks

System analysis

Cf. T57.6+ Industrial engineering

Cf. TA168 Systems engineering

- 402 General works

- 402.2 Decomposition method

Control theory (General and linear)

Cf. TJ212+ Automatic control

- 402.3 General works

- 402.35 Nonlinear control theory

- 402.37 Stochastic control theory

Mathematical optimization. Programming

Cf. T57.7+ Industrial engineering

- 402.5 General works

- 402.6 Transportation problems

Including assignment and location problems

Harmonic analysis (General)

Including abstract harmonic analysis

- 403 General works

- 403.3 Wavelets

Fourier analysis

- 403.5 General works

- 404 Fourier series

- 404.5 Orthogonal series. Orthogonal functions and polynomials

Analysis

Analytical methods used in the solution of physical problems

-- Continued

Potential theory. Pluripotential theory

Cf. QA825+ Analytic mechanics

404.7 General works

405 Harmonic functions

406 Laplace and Legendre functions (Spherical harmonics)

408 Bessel functions (Cylindrical harmonics)

409 Lamé functions (Ellipsoidal harmonics)

411 Toroidal and other harmonics

425 Dirichlet's problem and analogous problems

427 Nonlinear theories. Nonlinearity

431 Difference equations and functional equations. Integral equations. Calculus of differences

432 Operational calculus. Laplace transformation

433 Vector and tensor analysis. Spinor analysis. Scalar field theory

Geometry

Cf. QA681 Foundations of geometry

440 Periodicals, societies, congresses, serial publications

441 Dictionaries and encyclopedias

442 Philosophy

443 Collected works (nonserial)

443.5 History

444 Early works through 1800

445 General works, treatises, and textbooks

445.5 Juvenile works

446 Addresses, essays, lectures

447 Special aspects of the subject as a whole

448.A-Z Special topics, A-Z

448.D38 Data processing

Elementary geometry

451 Euclid's Elements as textbooks

For Greek texts and translations see QA31

Other textbooks (Plane and solid)

453 General works

455 Plane

457 Solid

459 Problems, exercises, examinations

460.A-Z Special propositions, A-Z

460.P8 Pythagorean theorem

Study and teaching. Research

461 General works, treatises, and textbooks

Special teaching methods and aids

462 General works

462.2.A-Z Special types, A-Z

	Geometry
	Elementary geometry
	Study and teaching. Research
	Special teaching methods and aids
	Special types, A-Z -- Continued
462.2.C65	Computer-assisted instruction
462.2.G34	Games
463	Laboratory manuals
464	Practical geometry. Geometrical drawing
	Cf. QA497 Higher geometrical drawing (Plane)
	Cf. QA501+ Descriptive geometry
465	Measurement
	Famous problems
466	General works
467	Circle squaring
468	Trisection of the angle
469	Duplication of the cube
471	Projective geometry
	Cf. QA554 Projective methods (Analytic geometry)
	Modern geometry. Inversions
473	General works
474	Plane
475	Solid
477	Affine geometry
	Special topics in plane geometry
481	Axioms. Postulates. Logic
	Cf. QA681 Foundations of geometry
482	Straight lines, angles, triangles, etc.
483	Curves. Ovals
484	Circle
485	Conics
491	Special topics in solid geometry
	Including Rubik's Cube, Rubik's Revenge, Rubik's Snake, etc.
497	Higher geometrical drawing (Plane)
	Descriptive geometry
	Cf. T351+ Mechanical drawing
501	General works, treatises, and textbooks
501.5	Problems, exercises, examinations
	Parallel projection
502	General works
	Orthogonal projection on two planes
503	General works
505	Isometric projection
507	Oblique projection
	Central projection
511	General works

Geometry

Descriptive geometry

Central projection -- Continued

515

Perspective

Class here geometrical works only

Cf. NA2710 Architecture

Cf. NC748+ Drawing

Cf. T369 Mechanical drawing

519

Shades and shadows

Class here geometrical works only

Cf. NC755 Drawing

520

Spherical projection

Cf. GA110+ Map projection

521

Miscellaneous special topics

529

Geometry and trigonometry (combined)

Trigonometry

531

General works, treatises, and textbooks

533

Plane

535

Spherical

537

Problems, exercises, examinations

538

Miscellaneous special topics

Analytic geometry

551

General works, treatises, and textbooks

551.5

Data processing

552

Plane. Conic sections

553

Solid

554

Projective methods

555

Problems, exercises, examinations

556

Coordinates

556.5

Equipollence

557

Straight line and circle. Triangle

559

Conics

559.5

Curves

561

Quadric surfaces

563

Maxima and minima

Algebraic geometry

564

General works, treatises, and textbooks

Higher algebraic curves

565

General works, treatises, and textbooks

567

Plane curves

567.2.A-Z

Special curves, A-Z

567.2.C82

Cubic

567.2.E44

Elliptic

567.2.I84

Isothermic

567.2.M63

Modular

567.2.O76

Orthogonal

567.2.Q35

Quartic

	Geometry
	Algebraic geometry
	Higher algebraic curves
	Special curves, A-Z -- Continued
567.2.Q54	Quintic
567.2.S56	Smooth affine
	Higher algebraic surfaces
571	General works, treatises, and textbooks
573	Special surfaces
	Including cubic, quartic surfaces
581	Skew algebraic curves
	Including twisted cubics, curves of double curvature
	Transformations, correspondences, and general methods
	for algebraic configurations
	Including collineation, correlation
601	General works, treatises, and textbooks
602	Cremona transformations. Quadratic transformations
603	Classification of curves and surfaces. Groups of points
	and curves
605	Applications of transcendental functions to curves and
	surfaces
607	Enumerative geometry. Systems of curves and surfaces
608	Connexes, complexes, congruences. Line geometry
	For algebraic configurations in hyperspace see
	QA691+
609	Conformal geometry
	Topology
611.A1	Periodicals, societies, congresses, serial publications
611.A3	History
611.A34-Z	General works, treatises, and textbooks
611.13	Juvenile works
611.15	Addresses, essays, lectures
	Study and teaching. Research
611.17	General works
611.19	Problems, exercises, examinations
611.2	Fuzzy topology
611.21	Imbeddings
611.23	Compactifications. Compact spaces
611.234	Realcompactness. Realcompactification. Realcompact
	spaces
611.24	Proximity spaces
611.25	Uniform spaces. Quasi-uniform spaces
611.28	Metric spaces
611.29	Isometries, contractions, expansions
611.3	Other miscellaneous topological spaces
	For linear topological spaces see QA322
611.35	CW complexes

Geometry

Topology -- Continued

611.5

Topological dynamics

Including those special aspects relating to ergodic theory

Cf. QA614.8+ Differentiable dynamical systems

611.7

Fixed point theorems

Cf. QA329.9 Nonlinear operators

Algebraic topology. Combinatorial topology

Cf. QA166+ Graph theory

612

General works

Low-dimensional topology

Cf. QA613.2 Manifolds and cell complexes

612.14

General works

612.18

Map-coloring problem

612.19

Four-color problem

Knot theory. Link theory

612.2

General works

612.23

Braid theory

612.24

Fixed points and coincidences

Cf. QA329.9 Fixed point theory

Homology and cohomology theories

Cf. QA169 Homological algebra

612.3

General works

612.32

Intersection homology theory

612.33

K-theory. KK-theory

612.36

Sheaves

612.5

Retracts

Fiber spaces. Fiber bundles. Fiberings

612.6

General works

612.63

Vector bundles

Homotopy theory

612.7

General works

612.72

Homotopy equivalences

612.76

Loop spaces

612.77

H-spaces

612.78

Homotopy groups

612.782

Steenrod algebra

612.79

Obstruction theory

612.8

Spectral sequences

Manifolds and cell complexes

Including distance geometry

613

General works

613.2

Topological manifolds

613.4

PL-topology

Differential topology

613.6

General works

613.618

Characteristic classes

	Geometry
	Topology
	Manifolds and cell complexes
	Differential topology -- Continued
613.619	Vector fields
613.62	Foliations
613.64	Differentiable mappings
613.65	Diffeomorphisms
613.658	Surgery. Handlebodies
613.659	Symplectic and contact topology
613.66	Cobordism
613.7	Topological transformation groups
	Cf. QA387 Topological groups
613.8	Hopf algebras
	Cf. QA387 Topological groups
	Global analysis. Analysis on manifolds
614	General works
	Differentiable manifolds
614.3	General works
614.4	Jets
614.42	Stratified sets
614.44	Supermanifolds
614.46	Pfaffian systems. Pfaffian problem
	Calculus on manifolds
614.5	General works
614.58	Differentiable mappings and singularities. Catastrophes
614.7	Critical point theory
614.73	Harmonic maps
	Differentiable dynamical systems
	Cf. QA611.5 Topological dynamics
	Cf. QA871 Analytic mechanicals
614.8	General works
614.813	Attractors
614.82	Flows
614.83	Hamiltonian systems
614.833	Nonholonomic dynamical systems
614.835	Random dynamical systems
614.84	Shadowing systems
614.85	Symbolic dynamics
614.86	Fractals
	Partial differential equations and differential operators on manifolds
614.9	General works
614.92	Index theorems
614.95	Spectral geometry
614.97	Pseudogroups and deformations of structures
	Cf. QA387 Lie groups

Geometry -- Continued

Infinitesimal geometry

615 General works, treatises, and textbooks

Of curves

621 General works

623 Kinematic geometry. Roulettes

624 Curvature

626 Rectification and quadrature

628 Transcendental curves

Of surfaces

631 General works

634 Curvature

636 Areas and volumes

638 Transcendental surfaces

639 Differential geometry of congruences, etc.

Convex geometry

639.5 General works

640 Convex sets and geometric inequalities

640.3 Convex polyhedra. Convex polytopes

640.5 Convexity spaces

Discrete geometry

640.7 General works

640.72 Aperiodic tilings

640.77 Rigidity

Differential geometry

Including general theory of surfaces

641 General works, treatises, and textbooks

642 Problems, exercises, examinations

643 Curves on surfaces

644 Minimal surfaces. Nets of plane curves

645 Surfaces determined by relations of curvature, etc.

646 Conformal and other representations of surfaces

Cf. GA110+ Map projection

Cf. QA360 Mapping of regions, conformal representation

648 Deformation of surfaces

648.5 Web geometry

649 Miscellaneous special topics

660 Projective differential geometry

665 Symplectic geometry. Contact geometry

Global differential geometry

Cf. QA614+ Global analysis. Analysis on manifolds

670 General works

671 Global Riemannian geometry

671.5 Spin geometry

672 Integral geometry

681 Foundations of geometry

- Geometry -- Continued
- 685 Non-Euclidean geometry
- 689 Generalized spaces
- Hyperspace
- 691 General works
- 699 Popular works. Fiction
 - Including Flatland, fourth dimension
- Analytic mechanics
 - Class here mathematical works only
 - Cf. QC120+ Descriptive and experimental mechanics
 - Cf. TA349+ Applied mechanics
- 801 Periodicals, societies, congresses, serial publications
- 801.2 Collected works (nonserial)
- 801.5 Dictionaries and encyclopedias
- 801.6 Philosophy
- 802 History
 - Including general history of mechanics
- 803 Newton's Principia and commentaries
- 804 Early works through 1800
- 805 General works, treatises, and advanced textbooks
- 807 Elementary textbooks
- 807.5 Addresses, essays, lectures
- 808 Special aspects of the subject as a whole
- 808.2 Continuum mechanics
 - Cf. QC155.7 Fluid dynamics
- 808.5 Relativistic mechanics
- 808.8 Study and teaching
- 809 Problems, exercises, examinations
- 810 Handbooks, tables, formulas, etc.
- Statics
 - Cf. TA351 Engineering
- 821 General works, treatises, and textbooks
- 823 Composition and resolution of forces at a point
- Attractions and potential
 - Cf. QA404.7+ Potential theory
 - Cf. QC570+ Electrostatics
- 825 General works, treatises, and textbooks
- 827 Ellipsoids and other special systems
- 831 Rigid bodies. Forces and couples in three dimensions.
 - Equilibrium
- 835 Chains and flexible surfaces. Catenary
- 839 Geometry of masses. Center of mass. Moments of inertia

Analytic mechanics -- Continued

Kinematics

Including composition of motions and displacements, relative motions, moving axes, theory of screws

Cf. QA623 Roulettes

Cf. QC231 Kinematics (Physics)

Cf. TJ175 Kinematics of machinery

841

General works

842

Relativistic kinematics

Dynamics

Cf. QC133+ Descriptive and experimental mechanics

Cf. UF820+ Motion of projectiles (Ballistics)

843

Periodicals, societies, congresses, serial publications

845

General works, treatises, and advanced textbooks

846

Elementary textbooks

Dynamics of a particle

Cf. QB349+ Celestial mechanics

Cf. QC174.17.P7 Problem of many bodies (Quantum theory)

851

General works, treatises, and textbooks

852

Special aspects of the subject as a whole

Including resistance, friction

853

Orbital and constrained motion

855

Motion of surfaces

Rigid dynamics

861

General works, treatises, and textbooks

862.A-Z

Special systems, A-Z

862.G9

Gyroscope

862.P4

Pendulum

862.P5

Pistons

862.P76

Projectiles

862.T7

Top

863

Miscellaneous special topics

Theory of vibrations. Oscillations

Cf. QA935+ Vibrations of elastic bodies

865

General works

867

Harmonic motion

867.5

Nonlinear oscillations

871

General methods in dynamics

Including Lagrange's equations, Hamilton's equations, least action, stability of systems

Mechanics of deformable bodies

Fluid mechanics

Cf. QC120+ Descriptive and experimental mechanics

Cf. TA357+ Applied fluid mechanics

901

General works, treatises, and textbooks

903

Problems, exercises, examinations

	Analytic mechanics
	Mechanics of deformable bodies
	Fluid mechanics -- Continued
	Hydrostatics
905	General works, treatises, and textbooks
907	Miscellaneous special topics
	Including floating bodies, etc.
	Cf. VM761+ Stability of ships
	Fluid dynamics. Hydrodynamics
	Cf. TC160+ Hydraulics
911	General works, treatises, and textbooks
912	Relativistic fluid dynamics
913	Kinematics of fluids. Irrotational motions
920	Magnetohydrodynamics. Magnetofluid dynamics
	Cf. QC717+ Ion flow dynamics
	Cf. QC718.5.M36 Plasma physics
	Cf. QC809.M3 Cosmic physics
922	Two-phase flow. Multiphase flow
924	Jets and cavities
925	Rotating fluids. Vortex motion
	Cf. QB410 Rotating masses of gravitating fluid
927	Wave propagation in fluids. Theory of wave motion
	Cf. QC223 Mathematical theory of sound
929	Viscous fluids
929.5	Non-Newtonian fluids
	Cf. QC189.5.A1+ Rheology
930	Gas dynamics. Aerodynamics
	Cf. QC120+ Descriptive and experimental mechanics
	Cf. TL570+ Aeronautics
	Elasticity. Plasticity
	Cf. QC191 Special properties of matter
	Cf. TA418+ Mechanical properties of materials
931	General works, treatises, and textbooks
932	Micropolar elasticity
933	Thermoelasticity
	Cf. TA418.24+ Temperature dependent properties of materials
934	Torsion
	Vibrations of elastic bodies. Wave propagation in elastic solids
935	General works
937	Impact
939	Surface waves

- Astronomy
- 1 Periodicals, societies, congresses, serial publications
Museums. Exhibitions
- 2.A1 General works
- 2.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 3 Collected works (nonserial)
Observations
Including serial collections issued by individual observatories.
For annual reports see QB82.A+
- 4.A-Z By name of issuing observatory, A-Z
- 4.9.A-Z By region or country, A-Z
- 6 Star catalogs
Including zone observations, etc.
For catalogs of double stars, multiple stars, binary systems
see QB821
For catalogs of variable stars see QB835
- Ephemerides
For ephemerides of individual planets, see QB611 QB621 etc.
For ephemerides of planets collectively see QB603.E6
- 7 Early through 1800
1801-
- 8.A-Z Nautical and air (or aeronautical) almanacs. By country, A-Z
Z
- 9 Other yearbooks
- General tables
- 11 Early through 1800
- 12 1801-
- 14 Dictionaries and encyclopedias
- Communication in astronomy
- 14.2 General works
- 14.25 Information services
- 14.3 Computer network resources
Including the Internet
- 14.5 Philosophy
- History
- 15 General works
Ancient
- 16 General works
Cf. CE21+ Ancient chronology
Cf. GN799.A8 Astronomy (Prehistoric archaeology)
- 17 Chinese
- 18 Hindu
- 19 Assyro-Babylonian, etc.
Jewish see QB34
- 20 Egyptian
- 21 Greek

	History
	Ancient -- Continued
22	Roman
22.2	Celtic
	Medieval
	Including Arabic astronomy
23	General works
	Astrology
25	History
	Cf. BF1671+ Occult sciences
26	Medieval works
	Cf. BF1680+ Occult sciences
	Modern astrology see BF1651+
	Modern
28	General works
29	Renaissance through 1700
31	18th century
32	19th-20th centuries
33.A-Z	By region or country, A-Z
34	Jewish astronomy
	Maori astronomy see DU423.A85
34.5	Women in astronomy. Women astronomers
	Biography
35	Collective
36.A-Z	Individual, A-Z
	e.g.
36.B8	Brahe
36.C8	Copernicus
36.G2	Galileo
40	Directories
41	Early works through 1700
	Cf. GA6 Cosmography
	Cf. VK551 Navigation (Early works)
	General works, treatises, and advanced textbooks
	Cf. QB500 Descriptive astronomy
42	1701-1800
43	1801-1969
43.2	1970-2000
43.3	2001-
	Popular works
44	Through 1969
44.2	1970-2000
44.3	2001-
	Elementary textbooks
45	To 2000
45.2	2001-

46	Juvenile works	
	Cf. QB63 Stargazers' guides	
47	Special aspects of the subject as a whole	
51	Addresses, essays, lectures	
51.3.A-Z	Special topics, A-Z	
51.3.E43	Electronic data processing	
51.3.I45	Imaging systems	
51.3.L53	Light pollution	
	Statistical methods see QB149	
51.5	Astronomy as a profession. Vocational guidance	
52	Miscellany and curiosa	
54	Extraterrestrial life	
	Cf. CB156 Terrestrial, evidence of interplanetary voyages	
(55)	Astronomical myths, legends, and superstitions	
	see GR625	
	Study and teaching. Research	
61	General works	
62	Outlines, syllabi	
62.5	Problems, exercises, examinations	
62.7	Laboratory manuals	
63	Stargazers' guides	
64	Observers' handbooks	
	Cf. TL796.8 Artificial satellites	
65	Atlases and charts	
66	Astronomical globes	
	Cf. GA12 Manual for globes	
67	Miscellaneous models	
68	Pictorial works and atlases	
	Planetariums	
	Including orreries	
70	General works	
71.A-Z	By region or country, A-Z	
	<i>Under each country:</i>	
	.x	General works
	.x2A-.x2Z	Individual planetariums. By city, A-Z
	Observatories	
	Cf. QB479.A2+ Radio observatories	
	Cf. QB500.267+ Orbiting astronomical observatories	
81	General works	
82.A-Z	By region or country, A-Z	
	<i>Under each country:</i>	
	.x	General works
	.x2A-.x2Z	Individual observatories. By place, A-Z
		Including description, history, annual reports, individual named telescopes, etc.

- Observatories -- Continued
- 84 Observatory buildings
Including domes, piers, rising floors, chairs
- Astronomical instruments
Including description, theory, adjustment
- 84.5 Periodicals, societies, congresses, serial publications
Biography of instrument makers
- 84.7 Collective
84.75.A-Z Individual, A-Z
- 85 Early. Astrolabes, etc.
Including descriptions of early observatories
- Modern
- 85.8 History
- 86 General works, treatises, and textbooks
- 86.4 Catalogs
Telescopes. Objectives. Mirrors
Including homemade telescopes, optics, accessories
For individual named telescopes in observatories see
QB82.A+
Cf. QB479.2 Radio telescopes
Cf. QB500.268 Hubble Space Telescope
- 88 General works
- 90 Large astronomical telescopes
- 97 Equatorial mountings. Driving clocks. Siderostats.
Heliostats. Coelostats
- 101 Meridian instruments
Including transit circle, zenith telescope, visual and
photographic
- 103 Extra-meridian instruments
Including altazimuth, almucantar, transit out of meridian,
vertical circle
- 105 Portable instruments
Including transit, solar compass
Cf. VK583 Sextant
- 107 Clocks. Chronometers. Chronographs
For use of chronograph in ballistics see UF830.C4
- 111 Eyepieces
- 113 Micrometers
- 115 Levels. Artificial horizons. Illumination, etc.
- 117 Optical interferometers
- Astronomical photography
- 121 General works
- 121.5 Equipment and supplies
- 125 Television in astronomy
- 126 Video astronomy
Electronics in astronomy
- 127 General works

- Electronics in astronomy -- Continued
 - Equipment and supplies
 - 127.2 General works
 - 127.4 Charge coupled devices
 - 135 Astronomical photometry
 - Astronomical spectroscopy see QB465
 - 135.5 Aeronautics in astronomy
 - Including balloons, etc.
 - 136 Space astronomy
 - Including astronautics in astronomy
 - 139 Telegraphic codes for transmission of astronomical data
 - Practical and spherical astronomy
 - Cf. QB66 Use of globes
 - Cf. VK551+ Nautical astronomy
 - 140 Periodicals, societies, congresses, serial publications
 - 143 Dictionaries and encyclopedias
 - 144 Early works through 1800
 - 145 General works, treatises, and textbooks
 - 147 Celestial sphere and coordinates
 - 149 Statistical astronomy
 - Correction and reduction of observations
 - 151 General works, treatises, and textbooks
 - 153 Personal equation
 - Involving apparatus for its determination
 - 154 Errors of adjustment, etc.
 - Reduction to center of earth
 - Refraction
 - 155 Theory and determination of constant
 - 156 Tables
 - 159 Parallax
 - Correction for movement of earth and equinoxes
 - Including determination of constants by observation
 - 161 General works, treatises, and textbooks
 - 163 Aberration
 - Cf. QC671 Electromagnetic theory
 - 165 Precession and nutation
 - 167 Annual parallax
 - 168 Star reduction (from mean to apparent place)
 - 169 Position of pole
 - 171 Determination of the ecliptic
 - Prediction of eclipses, occultations and transits
 - 175 General works
 - 185 Miscellaneous phenomena at occultations and transits
 - Geodetic astronomy
 - Including determination of geographical positions
 - 201 General works, treatises, and textbooks

	Practical and spherical astronomy
	Geodetic astronomy -- Continued
	Observations
	Cf. QB296.A1+ Observations (Geodesy)
205.A1	Periodicals, societies, congresses, serial publications
205.A2	General works, treatises, and textbooks
205.A3-Z	By region or country, A-Z
	e.g.
	Mexico
205.M6	General works
205.M7A-.M7Z	Local, A-Z
	United States
205.U4-.U5	General works
205.U6A-.U6Z	By region or state, A-Z
205.U7A-.U7Z	By city, A-Z
207	Azimuth. Determination of meridian
	Time
	For historical chronology, calendar, etc. see CE1+
	Cf. BD638 Cosmology
	Cf. BF468 Psychology
	Cf. GN476.3 Anthropology
	Cf. QC173.59.T5 Time dilatation
209	General works
209.5	Juvenile works
	Time service
210.A1	General works, treatises, and textbooks
210.A3-Z	By region or country, A-Z
211	Sidereal and solar, and their conversion
213	Methods of finding the time
214	Instruments for measuring the time
	Including hourglasses
	Cf. TS540+ Watches and clocks
215	Sundials and dialing
216	Sunrise and sunset
217	Equation of time
221	Time signals, etc.
223	Systems and standards
224	Prime meridians
	Longitude and latitude
224.5	General works, treatises, and textbooks
224.7.A-Z	By region or country, A-Z
	Longitude
225	Methods of determination
228	Tables and ephemerides
	Observations
229	General works, treatises, and textbooks
229.5.A-Z	By region or country, A-Z

- Practical and spherical astronomy
 Longitude and latitude -- Continued
 Latitude
 231 Methods of determination
 233 Tables and ephemerides
 Observations
 235 General works, treatises, and textbooks
 235.5.A-Z By region or country, A-Z
 237 Variation of latitude
- Geodesy
 275 Periodicals, societies, congresses, serial publications
 279 Dictionaries and encyclopedias
 280 Collected works (nonserial)
 280.5 History
 281 General works, treatises, and textbooks
 281.5 Geodesy as a profession. Vocational guidance
 283 Mathematical theory of the figure of the earth
 Cf. QA827 Attractions of ellipsoids
 Cf. QB331 Isostasy
 Cf. QB410 Rotating masses of fluid
- 285 Popular works
 286 Juvenile works
 287 Addresses, essays, lectures
 291 Special arc measures
 Observations
 296.A1 General works, treatises, and textbooks
 296.A3-Z By region or country, A-Z
 297 Data processing
 Biography
 297.9 Collective
 298.A-Z Individual, A-Z
 e.g.
 298.H4 Hassler
 298.R8 Rylke
- Study and teaching. Research
 299 General works
 299.5.A-Z By region or country, A-Z
- Geodetic surveying
 Cf. TA501+ Plane surveying
 Cf. VK588+ Hydrographic surveying
- 301 General works
 303 Base measuring
 Including apparatus
 Cf. QC101 Standards of length
- 311 Triangulation
 Cf. TA583 Plane surveying

	Geodesy
	Geodetic surveying -- Continued
321	Theory and computation. Tables, etc. Cf. QA275 Least squares
325	Traverse surveying Cf. TA585 Plane surveying
	Instruments
	Cf. TA562+ Surveying instruments, methods, etc.
328.A1	General works, treatises, and textbooks
328.A2-Z	Special, A-Z
328.G4	Geodimeter
328.P7	Prismatic astrolabe
328.T4	Tellurometer
	Gravity determinations
330	Periodicals, societies, congresses, serial publications
331	Theory and description of apparatus. Isostasy Cf. QA862.P4 Dynamics of pendulum
	Observations
	Including length of seconds, pendulum, etc.
334	General works, treatises, and textbooks
335.A-Z	By region or country, A-Z
336	Data processing
	Gravity anomalies
337	General works, treatises, and textbooks
337.5.A-Z	By region or country, A-Z
338	Plumbline deflections
339	Disturbances
	Including lunar, solar, earth movements
341	Constant of gravitation. Mean density of the earth
343	Satellite geodesy. Artificial satellites in geodesy Cf. TL798.G4 Geodetic satellites
	Theoretical astronomy and celestial mechanics
	Cf. TL1050+ Astrodynamics
349	Periodicals, societies, congresses, serial publications
350	Collected works
350.5	History
351	General works, treatises, and textbooks
353	Addresses, essays, lectures
	Calculation of orbits. Orbit determination
	For orbits of individual planets see QB371+
	For planetary orbits in general see QB603.M6
355	General works, treatises, and textbooks
355.3	Kepler's laws
355.5	Kepler's equation
357	Comets (General) For orbits of individual comets see QB723.A+
	Perturbations

Theoretical astronomy and celestial mechanics
Perturbations -- Continued

Planetary theory

- 361 General works, treatises, and textbooks
- 361.9 Special aspects of the subject as a whole
- 362.A-Z Special topics, A-Z
- 362.F47 Few-body problem
- 362.M3 Many body problem
- 362.T5 Three body problem
- 362.T9 Two body problem
- 369 Tables and observations
- Individual planets
 - Including tables and orbits
- 371 Mercury
- 372 Venus
- 374 Sun's apparent motion
- 376 Mars
- Asteroids. Minor planets
 - General works, treatises, and textbooks
 - Individual
 - By name, A-Z
 - By number, if unnamed
- 378.A-Z
- 379
- 384 Jupiter and Saturn
- 387 Uranus
- 388 Neptune
- 389 Ultra-Neptunian planets

Lunar theory

- 391 General works, treatises, and textbooks
- 391.9 Special aspects of the subject as a whole
- 392.A-Z Special topics, A-Z
- 392.C3 Capture of the moon by the earth
- 392.I5 Inequalities of the moon's motion
- 392.O3 Occultations of stars
- 397 Observations
- 399 Tables, charts, diagrams, etc.

Satellites

- Including individual planetary satellites
- Cf. QB603.R55 Planetary rings
- Cf. TL796+ Artificial satellites
- 401 General works, treatises, and textbooks
- 401.5 Juvenile works
- 403 Satellites of Mars
- 404 Satellites of Jupiter
- 405 Satellites and ring system of Saturn
- 406 Satellites of Uranus
- 407 Satellites and ring system of Neptune
- 408 Satellites of Pluto

- Theoretical astronomy and celestial mechanics -- Continued
- 410 Figures of equilibrium of rotating masses of fluid
Theory of tides
 Cf. GC300+ Oceanography
 Cf. QC809.E2 Earth tides
 Cf. VK600+ Tidetables
- 414 Early works through 1800
General works, treatises, and textbooks
- 415 1801-1969
- 415.2 1970-
- 416 Special aspects of the subject as a whole
- 418 Dictionaries and encyclopedias
- 419 Miscellany and curiosa
Instruments see GC306
- 421 Theory of double star systems
- Cosmochemistry
- 450 General works
- 450.5 Cosmic abundance
- Astrogeology
 Cf. QB592 Lunar geology
 Cf. QB603.G46 Planetary geology
- Biography
- 454 Collective
- 454.2.A-Z Individual, A-Z
- 455 General works
- 455.2 Astromineralogy
- 455.5 Extraterrestrial seismology
 Cf. QB539.I5 Helioseismology
 Cf. QB812 Astroseismology
- 456 Multiring basins
- Astrophysics (General)
- 460 Periodicals, societies, congresses, serial publications
- 460.15 Collected works (nonserial)
- Biography
- 460.7 Collective
- 460.72.A-Z Individual, A-Z
- 461 General works, treatises, and textbooks
- 461.3 Popular works
- 461.5 Addresses, essays, lectures
- 462.2 Data processing
- 462.3 Mathematics
- 462.5 Radio astrophysics
- 462.6 Molecular astrophysics
- 462.65 Relativistic astrophysics
- Plasma astrophysics
- 462.7 General works
- 462.72 Double layers

- Astrophysics (General) -- Continued
- 462.8 Cosmic magnetic fields
- Nuclear astrophysics
- 463 Periodicals, societies, congresses, serial publications
- 463.15 Collected works (nonserial)
- 464 General works, treatises, and textbooks
- 464.15 Particle acceleration
- 464.2 Neutrino astrophysics
- 464.3 Nucleosynthesis
- 465 Astronomical spectroscopy
- Cf. QB551 Spectroscopy of sun and eclipses
- Cf. QB870+ Stellar spectroscopy
- 466.A-Z Other topics, A-Z
- 466.A25 Accretion
- 466.C45 Chaotic behavior in systems
- 466.C64 Collisions
- 466.C65 Compact objects
- 466.C66 Controlled fusion
- 466.C67 Cosmochronology
- 466.D58 Disks
- 466.E65 Equations of state
- 466.F58 Fluid dynamics
- 466.G38 Gas dynamics
- 466.J46 Jets
- 466.M37 Mass loss
- 466.P67 Positronium
- Non-optical methods of astronomy
- 468 General works
- Infrared astronomy
- 470.A1 Periodicals, societies, congresses, serial publications
- 470.A5-Z General works, treatises, and textbooks
- Gamma ray astronomy
- 471.A1 Periodicals, societies, congresses, serial publications
- 471.A5-Z General works, treatises, and textbooks
- 471.7.A-Z Special topics, A-Z
- 471.7.B85 Bursts
- X-ray astronomy
- 472.A1 Periodicals, societies, congresses, serial publications
- 472.A5-Z General works, treatises, and textbooks
- 472.5 Juvenile works
- 473 Addresses, essays, lectures
- 474 Ultraviolet astronomy
- Radio astronomy
- Cf. QB860 Quasars
- 475.A1 Periodicals, societies, congresses, serial publications
- 475.A15 Collected works (nonserial)
- 475.A2 Dictionaries and encyclopedias

Non-optical methods of astronomy

Radio astronomy -- Continued

History

475.A25

General works

475.A28A-.A28Z

By region or country, A-Z

476.5

General works, treatises, and advanced textbooks

477

Popular works

478

Juvenile works

478.5

Addresses, essays, lectures

Observatories

479.A2

General works

479.A5-Z

By region or country, A-Z

Under each country:

.x

General works

.x2A-.x2Z

Individual observatories. By name, A-Z

479.2

Radio telescopes

479.3

Radio interferometers

479.4

Millimeter astronomy

Radio sources

479.5

General works

479.55.A-Z

Individual radio sources or types of radio sources, A-Z

479.55.C93

Cygnus A

479.55.H68

Hot spots

479.55.M18

M87 (Galaxy)

479.55.R34

Radio Galaxies

479.55.S88

Superluminal

480

Radar in astronomy

Descriptive astronomy

Periodicals, societies, congresses, serial publications see
QB1

General works, treatises, and textbooks see QB42+

Universe. Space. Space sciences

Cf. QB980+ Cosmology

Cf. TL787+ Astronautics. Space travel

495

Periodicals, societies, congresses, serial publications

496

Collected works

497

Dictionaries and encyclopedias

497.2

Communication in space sciences

History

498

General works

498.2.A-Z

By region or country, A-Z

500

General works, treatises, and advanced textbooks

500.22

Juvenile works

500.24

Addresses, essays, lectures

500.25

Special aspects of the subject as a whole

500.26.A-Z

Special topics, A-Z

- Descriptive astronomy
 Universe. Space. Space sciences
 Special topics, A-Z -- Continued
 500.26.D38 Data processing
 500.26.I58 International cooperation
 500.26.S67 Space optics
 Study and teaching. Research
 Including exploration of outer space
 500.262 General works
 500.264 Experiments
 500.266.A-Z By region or country, A-Z
 Orbiting astronomical observatories
 500.267 General works
 500.268 Hubble Space Telescope
 500.269 Next Generation Space Telescope
 500.28 Northern sky
 500.3 Southern sky
 Solar system
 500.5 Periodicals, societies, congresses, serial publications
 501 General works, treatises, and textbooks
 501.2 Popular works
 501.3 Juvenile works
 501.5 Study and teaching. Research
 502 Miscellany and curiosa
 503 Age of solar system. Origin of solar system
 505 Physical conditions
 Including atmospheres, resisting medium, etc.
 507 Proper motion in space
 Solar parallax and related constants
 508 General works
 Transit of Venus
 509 General works, treatises, and textbooks
 511 1761 and 1769 transits
 512 1874 transit
 513 1882 transit
 513.2 2004 transit
 515 Transit of Mercury
 516 Observations of Mars and asteroids
 518 Other methods
 Sun
 520 Periodicals, societies, congresses, serial publications
 521 General works, treatises, and textbooks
 521.4 Popular works
 521.5 Juvenile works
 521.6 Addresses, essays, lectures
 522 Tables, etc.
 Cf. QB374 Perturbations

Descriptive astronomy

Solar system

Sun -- Continued

- 523 Mass, diameter, rotation, etc.
- Solar activity
- 524 General works
- 525 Sunspots
 - Cf. BF1729.S92 Astrology
- 526.A-Z Other special topics, A-Z
- 526.A37 Active regions
- 526.C9 Cycles
- Energetic particles see QB526.S65
- 526.F3 Faculae
- 526.F6 Flares
- 526.F64 Flocculi. Plages
- Plages see QB526.F64
- 526.P7 Prominences
- 526.S65 Solar energetic particles
- 528 Atmosphere, chromosphere
- Corona. Solar wind. Heliosphere
- 529 General works
- 529.5 Coronal holes
- 529.6 Corotating interaction regions
- 531 Radiation, temperature, etc.
 - Cf. QC910.2+ Solar radiation in meteorology
- 539.A-Z Other special topics, A-Z
- 539.C6 Composition
- 539.E4 Electric field
- 539.E8 Evolution
- 539.G7 Granulation
- Helioseismology see QB539.I5
- 539.I5 Interior
 - Including helioseismology
- 539.M23 Magnetic fields
- 539.N6 Noise storms
- 539.N8 Nuclear reactions
- 539.O83 Oscillations
- 539.P58 Polarimetry
- 539.R3 Radio effects
- Seismology see QB539.I5
- 539.S5 Size
- 539.S65 Solar neutrinos
- 539.S655 Solar x-rays
- 539.T4 Terrestrial-solar relations
- 540 Miscellany and curiosa

Descriptive astronomy

Solar system

Sun -- Continued

Solar eclipses

Including works on solar and lunar eclipses combined

Cf. BL325.E35 Eclipses (Mythology)

541

General works, treatises, and textbooks

541.5

Juvenile works

542

Through 1799

Class here works on individual solar eclipses occurring through 1799, as well as works discussing collectively eclipses in that time period

1800-

542.5

Collective

Individual

543

1800-1899

Complete by appending a decimal point and the last two digits of the year of the eclipse to QB543 followed by author number and date of publication, e. g. QB543.98.I53 1899, Indian eclipse, 1898; report of the expeditions, c1899

544

1900-1999

Complete by appending a decimal point and the last two digits of the year of the eclipse to QB544 followed by author number and date of publication, e. g. QB544.91.R36 1989, Rao Joe. Your guide to the great solar eclipse of 1991, c1989

545

2000-2099

Complete by appending a decimal point and the last two digits of the year of the eclipse to QB545 followed by author number and date of publication

551

Spectroscopy of sun and eclipses

579

Lunar eclipses

Moon

580

Periodicals, societies, congresses, serial publications

581

General works, treatises, and textbooks

581.9

Popular works

582

Juvenile works

582.3

Study and teaching. Research

582.5

Exploration

Cf. TL799.M6 Space flights to the moon

583

Distance, parallax

585

Rotation, libration, and shape

588

Temperature, radiation, brightness, phases

591

Surface, physical condition, meteorology

QB

	Descriptive astronomy
	Solar system
	Moon -- Continued
592	Lunar geology. Lunar petrology
	Cf. TN291.35 Lunar mining
595	Photographs, maps, drawings
	Planets. Planetology
	Cf. QB54 Extraterrestrial life
	Cf. QB401+ Satellites
	Cf. QB500.5+ Solar system
	Cf. QB820 Extrasolar planets
	Cf. TL799.A+ Flights to special planets
600	Periodicals, societies, congresses, serial publications
600.2	Dictionaries and encyclopedias
	Communication of planetological information
600.3	General works
600.32	Information services
600.33	Geographic information systems
600.34	Computer network resources
	Including the Internet
600.35	Planetological literature
600.5	Nomenclature, terminology, names
601	General works, treatises, and textbooks
601.9	Popular works
602	Juvenile works
602.9	Special aspects of the subject as a whole
602.95	Data processing
603.A-Z	Special topics, A-Z
603.A85	Atmospheres
	Including meteorology
603.C6	Composition
603.C7	Cratering
603.C78	Crust
603.E6	Ephemerides
603.F5	Figures
603.G46	Geology
	Cf. TN291.3+ Space mining
603.I52	Infrared radiation
603.I53	Internal structure
603.I55	Interplanetary medium
	Including interplanetary dust
603.I57	Ionospheres
603.M26	Magnetic fields
603.M3	Mass
	Meteorology see QB603.A85

- Descriptive astronomy
Solar system
Planets. Planetology
Special topics, A-Z -- Continued
- 603.M6 Motion
Including orbits
For orbits of individual planets see QB371+
- 603.O74 Origin
- 603.R3 Radiation
- 603.R55 Rings
Cf. QB405 Ring system of Saturn
Cf. QB407 Ring system of Neptune
- 603.S6 Spectroscopy
- 603.S95 Surfaces
- 603.V65 Volcanism
- 604 Tables, etc.
- 605 Photographs, maps, drawings
- 605.2 Miscellany and curiosa
- Inferior planets
- 606 General works
- 607 Intramercorial planets
- Mercury
- 611 General works
- 613.A-Z Special topics, A-Z
- 613.G46 Geology
Transit of Mercury see QB515
- Venus
- 621 General works
- 623.A-Z Special topics, A-Z
- 623.A86 Atmosphere
- 623.G46 Geology
- 623.M48 Meteorology
- Transit of Venus see QB509+
- 623.V65 Volcanism. Volcanoes
- 623.W56 Winds
- Earth as a planet. Astronomical geography
Cf. QE500+ Geology
- 630 Periodicals, societies, congresses, serial collections
- 631 General works, treatises, and textbooks
- 631.2 Popular works
- 631.4 Juvenile works
- 632 Origin
- 633 Rotation
- 637 Photographs from space
- Seasons
Cf. GR930 Folklore
- 637.2 General works, treatises, and textbooks

	Descriptive astronomy
	Solar system
	Planets. Planetology
	Earth as a planet. Astronomical geography
	Seasons -- Continued
637.4	Juvenile literature
637.5	Spring
637.6	Summer
637.7	Autumn
637.8	Winter
638	Miscellany and curiosa
638.8	End of the world
	Superior planets
	Including other objects beyond Earth
	For their satellites, see QB403+
639	General works
	Mars
641	General works
643.A-Z	Special topics, A-Z
643.A86	Atmosphere
643.C55	Climate
643.D87	Dust storms
643.G46	Geology
643.G73	Gravity
643.M48	Meteorology
	Satellites see QB403
643.S42	Seasons
643.V65	Volcanism. Volcanoes
643.W38	Water
643.W56	Wind erosion
	Asteroids
651	General works
653.A-Z	Individual asteroids, A-Z
	Jupiter
661	General works
663.A-Z	Special topics, A-Z
663.A86	Atmosphere
	Satellites see QB404
	Saturn
671	General works
673.A-Z	Special topics, A-Z
	Ring system see QB405
	Satellites see QB405
	Uranus
681	General works
683.A-Z	Special topics, A-Z
	Satellites see QB406

- Descriptive astronomy
Solar system
Planets. Planetology
Superior planets -- Continued
Neptune
691 General works
693.A-Z Special topics, A-Z
Ring system see QB407
Satellites see QB407
Trans-Neptunian objects
Cf. QB701+ Pluto
694 General works
695 Kuiper Belt
Dwarf planets
698 General works
Pluto
701 General works
703.A-Z Special topics, A-Z
Satellites see QB408
705 Ceres
Comets
Cf. QB357 Calculation of orbits
717 Periodicals, societies, congresses, serial publications
721 General works, treatises, and textbooks
721.4 Popular works
721.5 Juvenile works
721.6 Addresses, essays, lectures
722 Catalogs
723.A-Z Periodic comets. By name, A-Z
(723.A7) Arrest's comet
see QB723.D37
723.B5 Biela comet
723.B7 Brooks comet
723.B8 Brorsen comet (I)
723.C6 Comas Sola comet
723.D37 D'Arrest comet
723.D45 Delavan comet
723.D5 Denning comet
723.E3 Encke comet
723.F2 Faye comet
723.G43 Geddes comet
723.H17 Hale-Bopp comet
723.H2 Halley's comet
723.H7 Holmes comet
723.L6 Lexell comet
723.M67 Morehouse comet
723.S56 Shoemaker-Levy 9 comet

	Descriptive astronomy
	Solar system
	Comets
	Periodic comets. By name, A-Z -- Continued
723.T3	Tempel 1 comet
723.T8	Tuttle comet
723.V35	Van Biesbroeck comet
724	Comets before 1700
725	1700-1799
	Complete by appending a decimal point and the last two digits of the year of the appearance of the comet to QB725 followed by author number and date of publication
726	1800-1899
	Complete by appending a decimal point and the last two digits of the year of the appearance of the comet to QB726 followed by author number and date of publication, e.g. QB726.61.K8, Kreutz, Heinrich, Untersuchungen über die Bahn des grossen Kometen von 1861
727	1900-1999
	Complete by appending a decimal point and the last two digits of the year of the appearance of the comet to QB727 followed by author number and date of publication
728	2000-2099
	Complete by appending a decimal point and the last two digits of the year of the appearance of the comet to QB728 followed by author number and date of publication
729	Distribution of comets
731	Nature and constitution (before the spectroscope)
732	Nature and constitution (modern views)
738	Meteoroids
	Meteors
740	Periodicals, societies, congresses, serial publications
741	General works, treatises, and textbooks
741.5	Juvenile works
743	Methods of observation and geometrical topics
	Including radiants, altitude, etc.
	Periodic showers
745	November
746	August
748	Orbits
748.2	Streams
	Relation between meteors and comets
749	General works

- Descriptive astronomy
- Solar system
- Meteors
- Relation between meteors and comets -- Continued
- Other theories of the origin of meteors
- Remarkable meteors, fireballs
- Meteorites
- Including craters
- Cf. QE399 Tektites
- Periodicals, societies, congresses, serial publications
- General works, treatises, and textbooks
- Juvenile literature
- Addresses, essays, lectures
- By region or country, A-Z
- Individual meteorites and craters, A-Z
- Allende meteorite
- Chinguetti meteorite
- Fermo meteorite
- Kurinelli meteorite
- Meteor Crater (Ariz.)
- Orgueil meteorite
- Port Orford meteorite
- Sikhote-Alin meteorite
- Thuathe meteorite
- Tunguska meteorite
- Vredefort Dome (South Africa)
- Meteorite types or classes
- Iron meteorites. Siderites
- General works, treatises, and textbooks
- Special, A-Z
- Ataxites
- Hexahedrites
- Octahedrites
- Stony meteorites. Aerolites
- General works, treatises, and textbooks
- Special, A-Z
- Achondrites
- Chondrites
- Stony-iron meteorites. Siderolites. Intermediates
- Zodiacal light. Counterglow. Gegenschein
- Spectroscopy of moon, planets, comets, etc.
- Moon
- Planets
- Comets
- Meteors
- Interstellar matter
- General works

Descriptive astronomy

Interstellar matter -- Continued

- 791 Cosmic dust
- 791.2 Cosmic grains
- 791.3 Dark matter
- 791.35 Missing mass
- 791.4 Molecular clouds
- 791.5 Interstellar hydrogen
- 791.7 Interstellar magnetic fields
- 792 Circumstellar matter

Stars

- Cf. QB6 Star catalogs
- Cf. QB870+ Stellar spectroscopy
- 799 Periodicals, societies, congresses, serial publications
- 801 General works, treatises, and textbooks
- 801.6 Popular works
- 801.7 Juvenile works
- 801.8 Addresses, essays, lectures
- 802 Constellation figures. Star names
 - Cf. QB63 Stargazers' guides
- 803 Zodiac
 - Including individual constellations of the zodiac
- 805 Particular stars (not A-Z)
 - Cf. QB823 Particular double and multiple stars
 - Cf. QB837 Particular variable stars
 - Cf. QB883 Spectra of special stars
- 806 Stellar evolution
- 806.5 Starbursts
- 807 Astrometry
 - Cf. QB135 Astronomical photometry
- 808 Structure
- 809 Atmospheres
- Motion
 - Including orbits, velocities, dynamics
- 810 General works
- 811 Proper motion
- 812 Stellar oscillations. Astroseismology
- 813 Parallax and distance
- 814 Masses
- 815 Magnitudes. Photometric catalogs
- 816 Color
 - Cf. QB829 Color of double stars
- 817 Radiation. Bolometry
- 817.5 Magnetic fields
- 818 Stellar diameters
- 818.5 Stellar collisions
 - Including stellar mergers

Descriptive astronomy

Stars -- Continued

- 819 Distribution
Including stellar populations
- 820 Extrasolar planets
Double and multiple stars. Binary systems
Cf. QB421 Theory
Cf. QB903 Spectroscopy
- 821 General works, treatises, and textbooks
Including observations, catalogs
- 823 Particular stars (not A-Z)
- 829 Colors of double stars
- 830 X-ray binaries
Variable stars. Algol systems
Cf. QB895 Spectroscopy
- 833 Periodicals, societies, congresses, serial publications
- 835 General works, treatises, and textbooks
Including observations, catalogs
- 835.2 Addresses, essays, lectures
- 836 Magnitude. Photometric catalogs
- 837 Particular stars or clusters (not A-Z)
- 837.5 Cataclysmic variable stars
- 838 Pulsating stars
- 841 Temporary or new stars
- 843.A-Z Other particular types of stars, A-Z
- 843.A12 A stars
- 843.A89 Asymptotic giant branch stars
- 843.B12 B stars
- 843.B25 Be stars
- 843.B55 Black holes
- 843.B57 Blue stragglers
- 843.B75 Brightest stars
- 843.B77 Brown dwarfs
- 843.C6 Cool stars
Coronae Borealis stars R see QB843.R12
- 843.D44 Delta Scuti stars
- 843.D85 Dwarf novae
- 843.D9 Dwarf stars
- 843.E2 Early stars
- 843.F55 Flare stars
- 843.L85 Luminous blue variables
- 843.M16 M stars
- 843.M3 Magnetic stars
- 843.N12 N stars
- 843.N4 Neutron stars
- 843.O12 O stars
- 843.P42 Peculiar stars

Descriptive astronomy

Stars

Other particular types of stars, A-Z -- Continued

843.P8	Pulsars
843.R12	R Coronae Borealis stars
843.R17	R Scuti stars
843.R4	Red dwarfs
843.R42	Red giants
843.R72	RR Lyrae stars
843.S53	Shell stars
843.S85	Subgiant stars
843.S9	Supergiant stars
843.S94	Supermassive stars
843.S95	Supernovae
843.S96	Symbiotic stars
843.T12	T Tauri stars
843.W5	White dwarfs
843.W6	Wolf-Rayet stars

Clusters and nebulae

Cf. QB891 Spectroscopy

851	General works, treatises, and textbooks Including observations, catalogs
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Clusters

853	General works
853.5	Globular clusters

Nebulae

855	General works
855.2	Juvenile works
855.5	Planetary nebulae Including proto-planetary nebulae
855.55	Gaseous nebulae Including Herbig-Haro objects
855.9.A-Z	Individual. By name, A-Z
855.9.C7	Crab Nebula
855.9.H67	Horsehead Nebula
855.9.O75	Orion Nebula

Galaxies

856	Periodicals, societies, congresses, serial publications
857	General works
857.3	Juvenile works
857.5.A-Z	Special topics, A-Z
857.5.B84	Bulges
857.5.D37	Data processing
857.5.E96	Evolution
857.5.E97	Extragalactic distances
857.5.G7	Gravitational lenses Including microlensing

- Descriptive astronomy
- Stars
- Galaxies
- Special topics, A-Z -- Continued
- 857.5.H34 Halos
- 857.5.M34 Magnetic fields
- 857.5.M67 Motion in the line of sight
- 857.5.S87 Radio galaxies see QB479.55.R34
- Surface brightness
- Milky Way galaxy
- 857.7 General works
- 857.72 Galactic center
- 858 Dwarf galaxies
- Active galaxies
- Including active galactic nuclei
- 858.3 General works
- 858.35 BL Lacertae objects
- 858.4 Elliptical galaxies
- 858.42 Spiral galaxies
- 858.5.A-Z Other galaxies. By name, A-Z
- 858.5.M33 Magellanic Clouds
- Clusters of galaxies
- 858.7 General works
- 858.8.A-Z Individual. By name, A-Z
- 858.8.L63 Local Group
- Cf. QB857.7+ Milky Way
- 858.8.V57 Virgo Cluster
- 860 Quasars
- Stellar spectroscopy
- 870 Periodicals, societies, congresses, serial collections
- 871 General works, treatises, and textbooks
- 873 Instruments and apparatus
- 875 Chemical and physical constitution
- 881 Classification of stars
- Including classed catalogs
- 883 Study of special types of spectra
- Including the spectra of special stars
- 891 Nebulae and clusters
- 895 Variables and new stars
- 901 Motion in the line of sight. Radial velocities
- 903 Spectroscopic observations on double stars
- Cosmogony. Cosmology
- Including nebular hypothesis, meteoritic hypothesis, glacial
cosmogony
- Cf. BD493+ Speculative philosophy
- Cf. QB503 Origin of solar system
- 980 Periodicals, societies, congresses, serial publications

Cosmogony. Cosmology -- Continued

980.5	Dictionaries and encyclopedias
981	General works, treatises, and textbooks
982	Popular works
983	Juvenile works
985	Addresses, essays, lectures
991.A-Z	Special topics, A-Z
991.B54	Big bang theory
991.C64	Cosmic background radiation Including cosmic ripples
991.C65	Cosmic rotation
991.C66	Cosmological distances
991.C87	Curvature cosmology
991.C92	Cyclic universe theory
991.E53	End of the universe
991.E94	Expanding universe
991.G73	Great Attractor
991.I54	Inflationary universe
991.L37	Large scale structure
991.N34	Naked singularities
991.P45	Phase transformations
991.Q36	Quantum cosmology
991.T67	Topological defects

Physics

- Cf. QH505 Biophysics
- Cf. R895+ Medical physics
- Cf. S588.4+ Agricultural physics
- 1 Periodicals, societies, congresses, serial publications
- 3 Collected works (nonserial)
- 5 Dictionaries and encyclopedias
- Communication in physics
- 5.3 General works
- 5.35 Information services
- 5.4 Computer network resources
 - Including the Internet
- 5.45 Physics literature
- 5.5 Abstracting and indexing
- 5.52 Language. Authorship
- Philosophy. Methodology
 - For relativity physics see QC173.5+
 - For unified field theories see QC173.68+
- 5.56 Periodicals, societies, congresses, serial publications
- 5.58 Collected works (nonserial)
- 6 General works, treatises, and textbooks
- 6.2 Addresses, essays, lectures
- 6.4.A-Z Special topics, A-Z
 - 6.4.A85 Asian philosophy
 - 6.4.C3 Causality
 - 6.4.C56 Coherent state
 - 6.4.C57 Consciousness
 - 6.4.C58 Constraints
 - 6.4.C6 Continuity. Continuum
 - 6.4.D46 Determinism
 - Cf. QC174.17.H4 Heisenberg principle
 - 6.4.D5 Dialectical materialism
 - 6.4.D8 Dualism
 - 6.4.F58 Fluctuations
 - 6.4.I34 Identity (Philosophical concept)
 - 6.4.P37 Paradox
 - 6.4.R42 Reality
 - 6.4.R43 Reductionism
- 6.8 Nomenclature, terminology, notation, abbreviations
- History
 - 6.9 Periodicals, societies, congresses, serial publications
 - 7 General works
 - 7.5 Addresses, essays, lectures
 - 9.A-Z By region or country, A-Z
 - 14 Women in physics. Women physicists
 - For biography see QC15+
- Biography

	Biography -- Continued
15	Collective
16.A-Z	Individual, A-Z
	e.g.
	Curie, Marie and Pierre see QD22.C8
16.E5	Einstein
16.N7	Newton
16.2	Directories
	Early works
17	1501-1700
19	1701-1800
	Mathematical physics
	For mathematical theory without practical applications see QA401+
	Cf. QC173.96+ Quantum theory
	Cf. TA329+ Engineering mathematics
19.2	Periodicals, societies, congresses, serial publications
19.3	Collected works (nonserial)
	History
19.6	General works
19.7.A-Z	By region or country, A-Z
20	General works, treatises, and textbooks
20.5	Addresses, essays, lectures
20.6	Special aspects of the subject as a whole
20.7.A-Z	Special topics, A-Z
20.7.A34	Adiabatic invariants
20.7.A37	Algebraic geometry
20.7.A4	Algebraic logic
20.7.A5	Analysis
	Cf. QA401+ Analytical methods for physical problems
20.7.A85	Asymptotic theory
20.7.B38	Bayesian statistical decision theory
20.7.B47	Bethe-ansatz technique
20.7.B54	Bifurcation theory
20.7.B58	Bose algebras
20.7.B6	Boundary value problems
20.7.C14	C*-algebras
20.7.C28	Calculus of tensors
20.7.C3	Calculus of variations
20.7.C36	Catastrophes
20.7.C55	Clifford algebras
20.7.C58	Combinatorial analysis
20.7.C6	Correlation
20.7.C63	Coupled problems
20.7.D4	Decomposition method
20.7.D43	Density functionals
20.7.D45	Determinants

	Mathematical physics
	Special topics, A-Z -- Continued
20.7.D47	Difference equations
20.7.D5	Differential equations
20.7.D516	Differential games
20.7.D52	Differential geometry
	Including noncommutative differential geometry
20.7.D55	Dimensional analysis
20.7.E4	Electronic data processing
20.7.E48	Embedding theorems
20.7.E88	Evolution equations
20.7.F56	Finite element method
20.7.F67	Fourier transformations
20.7.F73	Fractals
20.7.F84	Functional analysis
20.7.F85	Functional integration
20.7.F87	Functions, Special
20.7.G44	Geometry
20.7.G55	Global analysis
20.7.G7	Graph theory
20.7.G76	Group theory
	Cf. QC174.17.G7 Group theoretical methods for quantum mechanical problems
20.7.H35	Hamiltonian systems
20.7.H63	Homogeneous spaces
20.7.H65	Homology and cohomology theories
20.7.I33	Idempotents
20.7.I58	Integral equations
20.7.K47	Kernel functions
20.7.K56	Knot polynomials
20.7.L54	Lie algebras. Lie-admissible algebras
20.7.M24	Manifolds
20.7.M27	Mathematical optimization
20.7.M3	Matrix theory
	Cf. QC174.3+ Matrix mechanics
	Cf. QC793.3.M36 Elementary particle physics
20.7.M43	Measure theory
	Cf. QC174.17.M4 Quantum theory
20.7.M53	Microlocal analysis
20.7.M65	Monte Carlo method
20.7.N58	Nonassociative algebras
	Noncommutative differential geometry see QC20.7.D52
20.7.N6	Nonlinear theories
20.7.O65	Operator algebras
20.7.O66	Operator theory
20.7.O75	Orthogonal functions and polynomials
20.7.P23	p-adic analysis

	Mathematical physics
	Special topics, A-Z -- Continued
20.7.P3	Padé approximant
20.7.P47	Perturbation
20.7.P67	Potential theory
20.7.P7	Probabilities
20.7.R38	Relational calculus
20.7.R4	Relaxation methods
20.7.R43	Renormalization
20.7.S3	Scattering theory
20.7.S54	Singularities
	Special functions see QC20.7.F87
20.7.S64	Spectral theory
20.7.S645	Spherical harmonics
20.7.S65	Spinor analysis
20.7.S68	Stability
20.7.S8	Stochastic processes
	Tensor analysis see QC20.7.C28
20.7.T45	Theory of distributions
20.7.T65	Topology
20.7.T73	Transport theory
20.7.V4	Vector analysis
20.7.W38	Wavelets
20.7.W53	WKB approximation
	Study and teaching. Research
20.8	General works
20.815.A-Z	By region or country, A-Z
20.82	Problems, exercises, examinations
20.85	Handbooks, tables, formulas, etc.
	General works, treatises, and advanced textbooks
21	1801-1969
21.2	1970-2000
21.3	2001-
	Elementary textbooks
23	To 2000
23.2	2001-
24	Pictorial works and atlases
24.5	Popular works
25	Juvenile works
26	Recreations, home experiments, etc.
27	Anecdotes, facetiae, satire, etc.
	Addresses, essays, lectures see QC71
28	Special aspects of the subject as a whole
29	Physics as a profession. Vocational guidance
	Study and teaching. Research
	For programmed texts see QC21+
30	General works

	Study and teaching. Research -- Continued
31	Outlines, syllabi
32	Problems, exercises, examinations
33	Experiments
	Cf. QC26 Home experiments
	Laboratory manuals
	Elementary
35	General works
36	Laboratory blanks
37	Advanced
39	Physical measurements (General)
	Including theory and methods
	Cf. QC81+ Weights and measures
	Cf. T50 Technical measurement
39.5	Juvenile works
41	Laboratory technique
	By region or country
	United States
44	General works
45.A-Z	By region or state, A-Z
	Subarrange each state by Table Q7
47.A-Z	Other regions or countries, A-Z
	Subarrange each country by Table Q7
48	Developing countries
	Laboratories
	Cf. QC100.A2+ Standardizing bureaus
	Cf. QC541.A1+ Electric laboratories
51.A1	General works
51.A3-Z	By region or country, A-Z
	Subarrange each country by Table Q6
52	Data processing
	Instruments and apparatus (General)
	For instruments of special fields, see the field
	Cf. QC100.5+ Weights and measures
	Cf. QC101+ Instruments for measurement of length, area, weight, etc.
	Cf. QC370.5+ Optical instruments
	Cf. QC875.5+ Meteorological instruments
53	General works
55	Juvenile works
	Museums. Exhibitions
60.A1	General works
60.A2-Z	By region or country, A-Z
	Subarrange each country by Table Q5
61	Handbooks, tables, formulas, etc.
71	Addresses, essays, lectures

- Force and energy (General)
 - Cf. QC310.15+ Thermodynamics
 - Philosophy see QA843+
- 72 History
- 73 General works, treatises, and textbooks
- 73.4 Juvenile works
- 73.6 Study and teaching. Research
 - 73.8.A-Z Special topics, A-Z
 - 73.8.C6 Conservation of energy
 - 73.8.C65 Correlation of forces
 - 73.8.E53 Energy transfer
 - 73.8.M4 Mechanical advantage
 - 73.8.W65 Work
- 75 Miscellany and curiosa
- Weights and measures. Units of measurement
 - Class here works on the means of expressing quantities of length, area, volume, capacity, and mass (or weight) in terms of standard units. For works on units used in the measurement of other quantities, including velocity, pressure, energy, temperature, see the particular field of application
 - Cf. BS680.W4 Weights and measures in the Bible
 - Cf. HF5711+ Tables of weights and measures (Business mathematics)
 - Cf. QA465 Measurement (Mathematics)
 - Cf. QB214 Time measuring instruments
 - Cf. QC535+ Electric measurements
- 81 Periodicals, societies, congresses, serial publications
 - For governmental standardizing bureaus, including serial publications issued by them see QC100.A3+
- Museums. Exhibitions
 - 81.5.A1 General works
 - 81.5.A2-Z By region or country, A-Z
 - Subarrange each country by Table Q5
- 82 Dictionaries and encyclopedias
- History
 - 83 General works
 - 84 Ancient
 - 85 Medieval
 - 86 Modern
 - 87 Early works through 1800
 - 88 General works, treatises, and advanced textbooks
 - Including works with an alphabetical arrangement of countries
 - 89.A-Z By region or country, A-Z
 - Subarrange each country by Table Q4
 - 90 Elementary textbooks
 - 90.5 Popular works
 - 90.6 Juvenile works

	Weights and measures -- Continued
	Special systems
	Metric system. International system (SI)
	Cf. T50.5 Metric system in industry
90.8	Periodicals, societies, congresses, serial publications
91	General works, treatises, and textbooks
92.A-Z	By region or country, A-Z
	Subarrange each country by Table Q4
92.2	Popular works
92.5	Juvenile works
92.6	Addresses, essays, lectures
93	Study and teaching. Research
94	Conversion tables
	International system see QC90.8+
96	Other systems (not A-Z)
97	Study and teaching. Research
99	Miscellany and curiosa
	Including pyramid metrology
	Standards (General). Governmental standardizing bureaus
100.A2	General works, treatises, and textbooks
100.A3-Z	By region or country, A-Z
	Measuring instruments (General)
100.5	General works
100.8	Catalogs
	Measurement of special quantities
	Including instruments used in measurement
	Length
101	Standards
102	Measurement and instruments
102.5	Thickness
	Including micrometers
103	Angles
	Including goniometers
	Cf. QA482 Plane geometry
	Cf. TA603 Surveying
104	Volume
	Mass and weight
105	Standards
	Measurement
	Cf. QC172+ Atomic mass
	Cf. QC454.M3 Mass spectrometry
106	General works
107	Weighing instruments, balances, scales, etc.
	Cf. TS410 Manufactures
	Density and specific gravity
111	General works
114	Tables, etc.

QC

- Descriptive and experimental mechanics
For theoretical and analytical mechanics see QA801+
Cf. QC71.82+ Force and energy (General)
Cf. QC176+ Solid state physics
Cf. TA349+ Applied mechanics
- 120 Periodicals, societies, congresses, serial publications
121 Collected works (nonserial)
121.6 Dictionaries and encyclopedias
121.8 Nomenclature, terminology, notation, abbreviations
History
For general history of mechanics see QA802
- 122 General works
122.2.A-Z By region or country, A-Z
123 Early works through 1800
General works, treatises, and advanced textbooks
- 125 1801-1969
125.2 1970-
127 Elementary textbooks
127.3 Popular works
127.4 Juvenile works
127.6 Addresses, essays, lectures
Study and teaching. Research
- 128 General works
129 Problems, exercises, examinations
129.5 Laboratory manuals
131 Special aspects of the subject as a whole
Dynamics. Motion
Cf. QA843+ Analytic mechanics
- 133 General works, treatises, and textbooks
133.5 Juvenile works
135 Kinematics
136 Vibrations
Cf. QA865+ Analytic mechanics (Dynamics)
Cf. QA935+ Vibrations of elastic bodies
Cf. QC231 Sound
Cf. TA355 Engineering
- 137 Inertia
Including Mach's principle
Velocity. Speed
Cf. QC233 Velocity of sound
Cf. QC407 Velocity of light
- 137.5 General works, treatises, and textbooks
137.52 Juvenile works
Fluids. Fluid mechanics
Including liquids
Cf. QA901+ Analytic mechanics
Cf. TA357+ Applied fluid mechanics

Descriptive and experimental mechanics

Fluids. Fluid mechanics -- Continued

- 138 Periodicals, societies, congresses, serial publications
- 139 Dictionaries and encyclopedias
- 140 Nomenclature, terminology, notation, abbreviations
- 141 History
- 142 Early works through 1500
- General works, treatises, and textbooks
 - 143 1501-1700
 - 144 1701-1800
 - 145 1801-1969
 - 145.2 1970-
 - 145.24 Juvenile works
 - 145.26 Addresses, essays, lectures
 - 145.28 Study and teaching
 - 145.3 Handbooks, tables, formulas, etc.
 - 145.4.A-Z Special properties of liquids, A-Z
 - 145.4.A25 Acoustic properties
 - 145.4.C6 Compressibility
 - 145.4.D5 Diffusion
 - 145.4.E45 Electric properties
 - 145.4.E9 Expansion
 - 145.4.M27 Magnetic properties
 - 145.4.O6 Optical properties
 - 145.4.P73 Pressure
 - 145.4.T5 Thermal properties
 - 145.4.V5 Viscosity
 - 145.45.A-Z Special liquefied gases, A-Z
 - 145.45.A75 Argon
 - 145.45.F5 Fluorine
 - 145.45.H4 Helium
 - 145.45.H9 Hydrogen
 - 145.48.A-Z Special liquids, A-Z
 - 145.48.P6 Polywater
 - 145.48.S9 Supercooled liquids
- Hydrostatics. Floating bodies
 - Cf. QC183 Surface tension
 - Cf. TC165+ Technical hydraulics
 - Cf. TJ836+ Fluid power technology
- 145.5 Periodicals, societies, congresses, serial publications
- 145.7 Collected works (nonserial)
- 145.8 Dictionaries and encyclopedias
- 145.9 Nomenclature, terminology, notation, abbreviations
- 147 General works, treatises, and textbooks
- 147.5 Juvenile works
- 148 Addresses, essays, lectures
- Study and teaching. Research

	Descriptive and experimental mechanics
	Fluids. Fluid mechanics
	Hydrostatics. Floating bodies
	Study and teaching. Research -- Continued
148.2	General works
148.24	Laboratory manuals
148.4	Instruments and apparatus
	Including hydrometers, flowmeters
	Fluid dynamics. Hydrodynamics
	Cf. QA911+ Analytic mechanics
	Cf. TC171+ Technical hydraulics
	Cf. TJ266+ Turbine engineering
	Cf. TP156.F6 Chemical engineering
150	Periodicals, societies, congresses, serial publications
151	General works, treatises, and textbooks
151.2	Juvenile works
151.5	Addresses, essays, lectures
151.7	Special aspects of the subject as a whole
152	Incompressible fluids
152.5	Compressible fluids
153	Nonhomogeneous fluids
154	Viscous fluids
	Cf. QA929 Analytic mechanics
	Cf. QC189.5.A1+ Rheology, Non-Newtonian fluids
155	Flows in porous media
155.5	Flows in viscous media
155.7	Flows in continuous media
	Cf. QA808.2 Analytic mechanics
	Quantum and relativistic hydrodynamics see QA912
	Magnetohydrodynamics (Analytic mechanics) see QA920
	Magnetohydrodynamics (Plasma physics) see
	QC718.5.M36
157	Waves
	Cf. QA927 Analytic mechanics
	Cf. QC718.5.W3 Plasma physics
158	Jets and cavities
159	Vortex flows
	Cf. QA925 Analytic mechanics
	Liquids see QC138+
	Gases. Pneumatics
	Including air
	Cf. QD531 Manipulation of gases, etc.
	Cf. QD535 Liquefaction of gases
161	General works, treatises and textbooks
161.2	Juvenile works
161.5	Handbooks, tables, formulas, etc.
	Special properties of gases

- Descriptive and experimental mechanics
- Fluids. Fluid mechanics
- Gases. Pneumatics
- Special properties of gases -- Continued
- 162 Adsorption and absorption
Including occlusion
- 163 Compressibility
- 163.5 Diffusion
- 164 Expansion
- 164.5 High temperatures
Occlusion see QC162
- 165 Pressure
Including manometers, etc.
- 165.3 Optical properties
- 165.5 Thermal properties
- Vacuum
Including vacuum production, etc.
Cf. TJ940+ Vacuum technology
- 166 General works
- 166.5 Ultrahigh vacuum
- 167 Viscosity
- Gas dynamics. Motion of gases
Including thermodynamic aspects
Cf. QA930 Analytic mechanics
Cf. QC717+ Ion flow dynamics
Cf. TJ1025+ Mechanical engineering
Cf. TL570+ Aerodynamics
- 167.5 Periodicals, societies, congresses, serial publications
- 168 General works, treatises, and textbooks
- 168.2 Addresses, essays, lectures
Study and teaching. Research
- 168.4 General works
- 168.6 Problems, exercises, etc.
- 168.7 Technique
- 168.8 Handbooks, tables, formulas, etc.
- 168.85.A-Z Special topics, A-Z
- 168.85.D46 Detonation waves
- 168.85.R45 Relaxation
- 168.85.S45 Shock waves
- 168.86 Rarefied gas dynamics
- Atomic physics. Constitution and properties of matter
Including molecular physics
Cf. QC770+ Nuclear physics
Cf. QD450+ Physical chemistry
Cf. TA401+ Materials of engineering and construction
- 170 Periodicals, societies, congresses, serial publications
General works, treatises, and textbooks

- Atomic physics. Constitution and properties of matter
General works, treatises, and textbooks -- Continued
- 171 Through 1969
171.2 1970-
Constitution of matter and antimatter (General)
Cf. QC671 Aberration
Cf. QC793+ Elementary particle physics
- 172 Periodicals, societies, congresses, serial publications
172.2 Collected works (nonserial)
173 General works, treatises, and textbooks
173.16 Juvenile works
173.18 Addresses, essays, lectures
173.25 Study and teaching. Research
- Properties of matter and antimatter (General)
Cf. QC182+ Special properties of matter and antimatter
- 173.28 Periodicals, societies, congresses, serial publications
173.3 General works, treatises, and textbooks
173.36 Juvenile works
173.38 Addresses, essays, lectures
173.39 Special aspects of the subject as a whole
173.397 Handbooks, tables, formulas, etc.
173.4.A-Z Special topics, A-Z
173.4.A82 Atom cooling
173.4.A85 Atomic beams
173.4.A87 Atomic clusters see QC173.4.M48
Atomic structure
Clusters, Atomic see QC173.4.M48
- 173.4.C63 Composite materials
(173.4.C65) Condensed matter
see QC173.45+
- 173.4.C74 Critical phenomena
173.4.E65 Equations of state
173.4.H95 Hyperfine structure
173.4.I53 Inhomogeneous materials
173.4.I57 Interfaces
173.4.L55 Liquid crystals
Cf. QD923 Crystallography
- 173.4.L56 Liquid metals
Cf. TA463 Engineering
- 173.4.M48 Microclusters
Including atomic clusters and molecular clusters
Cf. QC793.3.S8 Nuclear cluster theory
- 173.4.M5 Microphysics
173.4.M65 Molecular beams
Molecular clusters see QC173.4.M48
173.4.M67 Momentum distributions
173.4.M85 Multiple scattering

	Atomic physics. Constitution and properties of matter
	Properties of matter and antimatter (General)
	Special topics, A-Z -- Continued
173.4.O73	Order-disorder models
173.4.P64	Polarizability
173.4.P65	Polymers
	Class here works on physical properties
	For general works on chemical and physical
	properties see QD380+
173.4.P67	Porous materials
173.4.Q36	Quasicrystals
	Cf. QD926 Crystallography
173.4.Q37	Quasimolecules
173.4.R44	Relaxation phenomena
173.4.S94	Surfaces
173.4.T48	Thomas-Fermi theory
	Condensed matter physics
173.45	Periodicals, societies, congresses, serial publications
173.452	Directories
173.454	General works, treatises, and advanced textbooks
173.456	Study and teaching. Research
173.457.A-Z	Special methods, A-Z
173.457.C64	Computer simulation
173.457.S7	Statistical methods
173.458.A-Z	Special topics, A-Z
173.458.C78	Crystalline interfaces
173.458.D43	Defects
173.458.E43	Electric properties
173.458.E53	Energy dissipation
173.458.F72	Fractals
173.458.M33	Magnetic properties
173.458.M38	Mathematics
173.458.O66	Optical properties
173.458.R33	Radiation effects
173.458.S62	Soft condensed matter
173.458.S64	Spectra
173.458.S75	Structure
173.458.S87	Surfaces
173.458.T48	Thermal properties
173.458.U54	Universalities
	Relativity physics
	Cf. QA808.5 Relativistic mechanics
	Cf. QC175.3+ Kinetic theory of liquids
173.5	Periodicals, societies, congresses, serial publications
173.51	Collected works (nonserial)
173.52	History
173.55	General works, treatises, and textbooks

	Atomic physics. Constitution and properties of matter
	Relativity physics -- Continued
173.57	Popular works
173.575	Juvenile works
173.58	Addresses, essays, lectures
173.585	Special aspects of the subject as a whole
	Including criticism of relativity
173.59.A-Z	Special topics, A-Z
173.59.G44	Geometrodynamics
173.59.M3	Mathematical methods
173.59.S56	Simultaneity
173.59.S65	Space and time
173.59.T5	Time dilatation
173.59.T53	Time reversal
	Special types of relativity theories
173.6	General
173.65	Special
	Field theories. Unified field theories
	Cf. QA808.2 Continuum mechanics
	Cf. QC174.45+ Quantum field theory
	Cf. QC178 Theories of gravitation
	Cf. QC793.3.F5 Elementary particle physics
173.68	Periodicals, societies, congresses, serial publications
173.7	General works, treatises, and textbooks
173.72	Addresses, essays, lectures
173.75.A-Z	Special topics, A-Z
173.75.T5	Thermodynamics
173.75.T85	Twistor theory
	Quantum theory. Quantum mechanics
	Cf. QB991.Q36 Cosmology
	Cf. QC446.15+ Quantum optics
173.96	Periodicals, societies, congresses, serial publications
173.97	Collected works (nonserial)
173.975	Dictionaries and encyclopedias
173.98	History
174	Early works through 1926
	Class here works on quantum theory prior to the Bohr atom
174.12	General works, treatises, and textbooks
	Class here works on quantum theory after 1926
174.125	Addresses, essays, lectures
174.13	Special aspects of the subject as a whole
	Study and teaching. Research
174.14	General works
174.15	Problems, exercises, examinations
174.17.A-Z	Special topics, A-Z
174.17.A53	Angular momentum
174.17.A66	Approximation theory

Atomic physics. Constitution and properties of matter

Quantum theory. Quantum mechanics

Special topics, A-Z -- Continued

- 174.17.B45 Bell's theorem
- 174.17.B6 Bound states
- 174.17.C45 Chaos
- 174.17.C6 Commutation relations
- 174.17.C63 Complementarity
- 174.17.C65 Correspondence principle
- 174.17.C67 Coulomb potential
- 174.17.D37 Data processing
- 174.17.D44 Density matrices
- 174.17.F3 Factorization method
- Few-body problem see QC174.17.P7
- 174.17.F45 Feynman integrals
- 174.17.F54 Finite element method
- 174.17.G46 Geometric quantization
- 174.17.G5 Gibbs' paradox
- 174.17.G56 Gleason measures
- 174.17.G68 Green's functions
- 174.17.G7 Group theory
 - Cf. QA174+ Algebra
- 174.17.H3 Hamiltonian operator
- 174.17.H4 Heisenberg principle
 - Cf. QC6.4.D46 Determinism
- 174.17.H55 Hilbert space
- 174.17.I58 Integral equations
- 174.17.I76 Irreversible processes
 - Cf. QC318.I7 Thermodynamics
- Many-body problem see QC174.17.P7
- 174.17.M33 Markov processes
- 174.17.M35 Mathematical logic. Quantum logic
- 174.17.M4 Measure theory. Quantum measure theory
- 174.17.O63 Operator theory
- 174.17.P27 Path integrals
- 174.17.P3 Pauli exclusion principle
- 174.17.P45 Perturbation
- 174.17.P68 Probabilities
- 174.17.P7 Problem of many bodies
 - Including few-body problem
- Quantum computers see QA76.889
- 174.17.Q33 Quantum interference
- Quantum logic see QC174.17.M35
- 174.17.Q35 Quantum maps
- Quantum measure theory see QC174.17.M4
- 174.17.Q38 Quantum teleportation
- 174.17.R32 Racah algebra

Atomic physics. Constitution and properties of matter

Quantum theory. Quantum mechanics

Special topics, A-Z -- Continued

- 174.17.R37 Rate processes
- 174.17.R46 Renormalization theory
- 174.17.R65 Rotation groups
- 174.17.S3 Schrödinger operator
- 174.17.S32 Schwinger action principle
- 174.17.S36 Semigroups
- 174.17.S6 Sommerfeld polynomial method
- 174.17.S76 Stochastic processes
- 174.17.S77 Sum rules
- Supergravity see QC174.17.S9
- 174.17.S78 Superposition
- 174.17.S9 Symmetry. Invariance
 - Including supergravity
 - Cf. QC793.3.S9 Elementary particle physics
- Teleportation see QC174.17.Q38
- 174.17.T7 Transformations
- 174.17.V35 Variational principles
- 174.17.V4 Vector analysis
- Wave mechanics
 - Cf. QC793.3.W3 Elementary particle physics
- 174.2.A1 Periodicals, societies, congresses, serial publications
- 174.2.A2 Collected works (nonserial)
- 174.2.A6-Z General works, treatises, and textbooks
- 174.22 Addresses, essays, lectures
- 174.23 Special aspects of the subject as a whole
- 174.24.A-Z Special types of wave mechanics, A-Z
 - 174.24.G4 Geometrical
 - 174.24.N6 Nonlinear
 - 174.24.N64 Nonrelativistic
 - 174.24.R4 Relativistic
- 174.26.A-Z Special topics, A-Z
 - Atomic and molecular orbitals see QD461
 - Atomic transition probabilities
 - 174.26.B58 Bivectors
 - Spinor analysis see QA433
 - 174.26.W28 Wave equations
 - Including solitons
 - 174.26.W3 Wave functions
- Matrix mechanics
 - Cf. QC793.3.M36 Elementary particle physics
- 174.3.A1 Periodicals, societies, congresses, serial publications
- 174.3.A6-Z General works, treatises, and textbooks
- 174.32 Handbooks, tables, formulas, etc.
- 174.35.A-Z Special theories, A-Z

- Atomic physics. Constitution and properties of matter
 Quantum theory. Quantum mechanics
 Matrix mechanics
 Special theories, A-Z -- Continued
 174.35.R2 R-matrix theory
 174.35.S2 S-matrix theory
 Quantum statistics
 Cf. QC793.3.S77 Statistical mechanics of elementary particles
 174.4.A1 Periodicals, societies, congresses, serial publications
 174.4.A2 Collected works (nonserial)
 174.4.A6-Z General works, treatises, and textbooks
 174.42 Addresses, essays, lectures
 174.43 Special aspects of the subject as a whole
 Quantum field theory
 Cf. QC679+ Quantum electrodynamics
 Cf. QC793.3.M36 Matrix theories of elementary particles
 174.45.A1 Periodicals, societies, congresses, serial publications
 174.45.A2 Collected works (nonserial)
 174.45.A6-Z General works, treatises, and textbooks
 174.46 Addresses, essays, lectures
 174.52.A-Z Special topics, A-Z
 174.52.A43 Algebra of currents
 Cf. QC793.3.A4 Elementary particle physics
 174.52.C66 Conformal invariants
 174.52.D43 Degree of freedom
 174.52.F8 Functional analysis
 174.52.K56 Knot theory
 174.52.L6 Lorentz transformations
 174.52.O6 Operator theory
 174.52.P37 Path integrals
 174.52.S32 Scattering
 174.52.S94 Symplectic manifolds
 174.52.Y36 Yang-Baxter equation
 174.52.Y37 Yang-Mills theory
 Statistical physics
 Including statistical mechanics and dynamics
 Cf. QC311.5 Statistical thermodynamics
 Cf. QC793.3.S77 Elementary particle physics
 174.7 Periodicals, societies, congresses, serial publications
 174.8 General works, treatises, and textbooks
 174.82 Addresses, essays, lectures
 174.84 Special aspects of the subject as a whole
 Study and teaching. Research
 174.842 General works
 174.844 Problems, exercises, examinations

	Atomic physics. Constitution and properties of matter
	Statistical physics -- Continued
174.85.A-Z	Special topics, A-Z
174.85.F47	Fermi liquid theory
174.85.H35	Hamiltonian systems
174.85.I8	Ising model
174.85.L38	Lattice theory
174.85.M43	Mean field theory
174.85.M64	Monte Carlo method
174.85.O6	Open systems
	Cf. QC318.O63 Thermodynamics
174.85.P45	Percolation
174.85.P48	Phase space
	Phase transformations see QC175.16.P5
174.85.P76	Probabilities
174.85.Q83	Quantum entropy
	Cf. QC318.E57 Entropy (Thermodynamics)
174.85.R36	Random fields
174.85.R364	Random matrices
174.85.R37	Random walks
174.85.S34	Scaling
174.85.S46	Set theory
174.85.W85	Wulff construction
174.86.A-Z	Special types of statistical mechanics, A-Z
174.86.C6	Classical
174.86.N65	Nonequilibrium
174.9	Kinetic theory of matter
	Kinetic theory of gases
	Cf. QC702.5 Ionized gases
175.A1	Periodicals, societies, congresses, serial publications
175.A6-Z	General works, treatises, and textbooks
175.13	Special aspects of the subject as a whole
175.15	Study and teaching. Research
175.16.A-Z	Special topics, A-Z
175.16.B6	Boltzmann's distribution law
175.16.B65	Bose-Einstein gas
175.16.C6	Condensed gases
175.16.E6	Electron gas
	Joule-Thomson effect see QC318.J6
175.16.M6	Molecules
175.16.P5	Phase transformations
175.16.R3	Rarefied gases
	Transport theory
	Cf. QC176.8.E9 Excitons
	Cf. QC793.3.T7 Transport theory of elementary particles
	Cf. QC809.E6 Energy budget (Geophysics)

Atomic physics. Constitution and properties of matter

Statistical physics

Transport theory -- Continued

- 175.2.A1 Periodicals, societies, congresses, serial publications
- 175.2.A6-Z General works, treatises, and textbooks
- 175.23 Addresses, essays, lectures
- 175.25.A-Z Special topics, A-Z
- 175.25.C6 Collision integrals
- 175.25.I6 Invariant imbedding
- 175.25.L5 Linear transport theory
- 175.25.R3 Radiative transfer
- 175.25.S4 Second sound
- 175.25.S8 Stochastic processes

Kinetic theory of liquids

- 175.3 General works, treatises, and textbooks
- 175.32 Addresses, essays, lectures
- 175.35 Special aspects of the subject as a whole
- 175.36.A-Z Special topics, A-Z
- 175.36.R4 Relativity

Superfluid physics

Cf. QC611.9+ Superconductivity

- 175.4.A1 Periodicals, societies, congresses, serial publications
- 175.4.A6-Z General works, treatises, and textbooks
- 175.45 Addresses, essays, lectures
- 175.47.A-Z Special topics, A-Z
- 175.47.B65 Bose-Einstein condensation

Solids. Solid state physics

Class here works on solids, including works that also deal in part with crystals.

For works that deal exclusively with crystals see QD901+

Cf. QD478 Solid state chemistry

Cf. TN689+ Physical metallurgy

- 176.A1 Periodicals, societies, congresses, serial publications
- 176.A3 Dictionaries and encyclopedias
- 176.A6-Z General works, treatises, and textbooks
- 176.2 Addresses, essays, lectures
- 176.3 Juvenile works
- Study and teaching. Research
- 176.5 General works
- 176.515 Problems, exercises, examinations
- 176.52.A-Z By region or country, A-Z
- 176.8.A-Z Special topics, A-Z
- 176.8.A3 Acoustic properties
- Cf. TA418.84 Engineering materials
- 176.8.A35 Adhesion
- 176.8.A44 Amorphous substances
- 176.8.A54 Anderson model

Atomic physics. Constitution and properties of matter

Solids. Solid state physics

Special topics, A-Z -- Continued

176.8.A6	Annealing
176.8.C45	Channeling
176.8.C6	Compressibility
176.8.D44	Defects
176.8.D5	Diffusion
	Elastic properties see QC191
176.8.E35	Electric properties
176.8.E4	Electronic states
176.8.E9	Excitons
176.8.E94	Expansion
176.8.F4	Fermi surface
176.8.F74	Free electron theory of metals
	Hole burning, Optical see QC176.8.O58
176.8.H66	Hopping conduction
176.8.L3	Lattice dynamics
	Cf. QD921+ Crystal structure
176.8.M3	Magnetic properties
176.8.M46	Mesoscopic phenomena
176.8.M48	Metal-insulator transitions
176.8.M5	Micromechanics
176.8.N35	Nanostructures
	Noncrystalline solids see QC176.8.A44
176.8.N65	Nonmetallic solids
176.8.O58	Optical hole burning
176.8.O6	Optical properties
176.8.P45	Phase transformations
176.8.P5	Phonons
176.8.P54	Plasma effects
176.8.P55	Plasmons
176.8.P6	Polaritons
176.8.P62	Polarons
176.8.Q35	Quantum wells
176.8.R3	Radiation effects
176.8.R35	Rare gas solids
176.8.S68	Spin glasses
176.8.S72	Sputtering
176.8.S8	Surface properties
	Cf. QD506+ Surface chemistry
	Cf. TA418.7+ Surface technology
176.8.T4	Thermal properties
	Cf. QC295 Specific heat
	Cf. TA418.52+ Engineering materials
176.8.T8	Tunneling
176.8.V34	Valence fluctuations

- Atomic physics. Constitution and properties of matter
 Solids. Solid state physics
 Special topics, A-Z -- Continued
 176.8.W3 Wave propagation
 Thin films
 176.82 Periodicals, societies, congresses, serial publications
 176.825 Collected works (nonserial)
 176.83 General works, treatises, and textbooks
 176.835 Addresses, essays, lectures
 176.84.A-Z Special topics, A-Z
 176.84.D54 Diffusion
 176.84.E5 Electric properties
 176.84.M3 Magnetic properties
 176.84.O7 Optical properties
 176.84.R3 Radiation effects
 176.84.S49 Size effects
 176.84.S93 Surface properties
 176.9.A-Z Special thin film substances and types, A-Z
 176.9.M84 Multilayered
 176.9.N64 Nonmetallic
 176.9.O73 Organic
 176.9.P64 Polycrystalline
 176.9.R37 Rare earths
 176.95.A-Z Special substances, A-Z
 176.95.I25 Ice
 Cf. QC926.3+ Snow
 177 Theories of ether
 178 Theories of gravitation
 Including antigravity, quantum gravity
 179 Gravitational waves. Gravitational radiation
 Special properties of matter and antimatter
 182 Absorption and adsorption
 Cf. QC162 Adsorption and absorption of gases
 183 Capillarity
 Including surface tension, cohesion
 Cf. QA274.75 Brownian motion processes
 Cf. QD506+ Surface chemistry
 184 Brownian motion
 185 Diffusion. Transpiration
 Cf. QA274.75 Diffusion processes
 Cf. QC145.4.D5 Diffusion in liquids
 Cf. QC163.5 Diffusion in gases
 Cf. QC176.8.D5 Diffusion in solids
 Osmosis (Cytology) see QH615
 Osmosis (Physical chemistry) see QD543
 Osmosis (Plant physiology) see QK871

Atomic physics. Constitution and properties of matter
Special properties of matter and antimatter -- Continued

Viscosity

Cf. QC145.4.V5 Viscosity of liquids

Cf. QC167 Viscosity of gases

189.A1 Periodicals, societies, congresses, serial publications

189.A2 Collected works (nonserial)

189.A6-Z General works, treatises, and textbooks

189.2 Handbooks, tables, formulas, etc.

Rheology

Including non-Newtonian liquids

Cf. QA931+ Plasticity (Analytic mechanics)

Cf. TA418.14+ Plastic properties of materials

Cf. TP156.R45 Chemical engineering

189.5.A1 Periodicals, societies, congresses, serial publications

189.5.A2 Collected works (nonserial)

189.5.A6-Z General works, treatises, and textbooks

189.8 Thixotropy

191 Elastic properties of solids

Cf. QA931+ Analytic mechanics

Cf. QD933 Crystallography

Cf. TA418+ Mechanical properties of materials

192 Thermal properties

193 Deformation

197 Friction, etc.

Cf. TA418.72 Friction properties of materials

Sound, light, and heat as a whole

220 General works

220.5 Acoustooptics

Acoustics. Sound

Cf. ML3805 Music acoustics

Cf. NA2800 Architectural acoustics

Cf. QC176.8.A3 Acoustical properties of solids

Cf. QP460+ Bioacoustics

Cf. TA365+ Acoustics in engineering

Cf. TA418.84 Acoustical properties of materials

Cf. TH1725 Soundproof construction

Cf. TK5981+ Electroacoustics

221 Periodicals, societies, congresses, serial publications

221.5 Dictionaries and encyclopedias

221.7 History

222 Early works through 1800

223 Mathematical theory

General works, treatises, and advanced textbooks

225 1801-1969

225.15 1970-

225.2 Elementary textbooks

- Acoustics. Sound -- Continued
- 225.3 Popular works
 - 225.5 Juvenile works
 - 225.6 Addresses, essays, lectures
 - 225.7 Special aspects of the subject as a whole
 - Study and teaching. Research
 - 226 General works
 - 226.6 Experiments
 - 227 Laboratory manuals
 - Laboratories
 - 228.A1 General works
 - 228.A3-Z By region or country, A-Z
 - Subarrange each country by Table Q6
 - 228.2 Technique
 - 228.3 Instruments and apparatus
 - 228.8 Handbooks, tables, formulas, etc.
 - 229 Miscellany and curiosa
 - Special topics
 - 231 Kinematics of vibrations and wave motion
 - 233 Propagation of sound
 - Including velocity, reflection, transmission
 - Vibrations
 - 235 Gases in tubes, etc. Resonance
 - 241 Strings, rods, membranes, plates, tuning forks
 - Underwater acoustics
 - Cf. TK5103.52 Acoustical telecommunication systems
 - 242 Periodicals, societies, congresses, serial publications
 - 242.2 General works, treatises, and textbooks
 - 242.25 Addresses, essays, lectures
 - 242.4 Instruments and apparatus
 - Cf. TK5987 Hydrophone design and construction
 - 242.5.A-Z Special topics, A-Z
 - 242.5.O23 Ocean tomography
 - Sound waves
 - Cf. TD894 Noise measurement
 - 242.8 Periodicals, societies, congresses, serial publications
 - 243 General works, treatises, and textbooks
 - 243.2 Juvenile works
 - 243.3.A-Z Special topics, A-Z
 - 243.3.A25 Acoustic streaming
 - 243.3.A4 Amplitude
 - 243.3.D3 Damping
 - 243.3.D53 Diffraction
 - 243.3.E5 Energy
 - 243.3.P7 Pressure of sound
 - 243.3.R3 Radiation pressure

Acoustics. Sound

Special topics

Sound waves

Special topics, A-Z -- Continued

243.3.R4

Reverberation. Reverberation time

Cf. NA2800 Architectural acoustics

243.3.S3

Scattering

Transmission see QC233

243.5

Infrasonics

244

Ultrasonics

Cf. QC480.2 Sonoluminescence

Cf. TA417.4 Ultrasonic testing

244.2

Nonlinear acoustics

244.5

Acoustic holography

246

Analysis of sounds. By phonograph, etc.

For acoustic phonetics see P221.5

Heat

For thermal properties of solids see QC176.8.T4

Cf. QC220+ Sound, light, and heat as a whole

251

Periodicals, societies, congresses, serial publications

251.4

Collected works (nonserial)

251.6

Dictionaries and encyclopedias

252

History and philosophy

252.2

Nomenclature, terminology, notation, abbreviations

253

Early works through 1800

General works, treatises, and advanced textbooks

254

1801-1969

254.2

1970-

255

Elementary textbooks

256

Juvenile works

257

Addresses, essays, lectures

Study and teaching. Research

For programmed texts see QC254+

261

General works

261.5

Problems, exercises, examinations

263

Experiments

263.5

Laboratory manuals

265

Technique

266

Handbooks, tables, formulas, etc.

267

Miscellany and curiosa

Thermometers. Thermometry

Including temperature measurements and temperature
measuring instruments

Cf. GC177 Oceanographic instruments

270

Periodicals, societies, congresses, serial publications

270.5

Collected works (nonserial)

270.7

Dictionaries and encyclopedias

Heat

Thermometers. Thermometry -- Continued

- 271 General works, treatises, and textbooks
- 271.4 Juvenile works
- 271.5 Addresses, essays, lectures
- 271.6 Special aspects of the subject as a whole
- 271.8.A-Z Special aspects of instrumentation, A-Z
 - 271.8.A95 Automatic control
 - 271.8.C3 Calibration
 - 271.8.T4 Testing
- Special types of thermometers
 - 272 Mercury and other liquids
 - 273 Air and gases
 - 274 Electrical. Resistance thermometers. Thermocouples
 - 275.A-Z Other, A-Z

High temperatures

- 276 General works
- 277 Pyrometers and pyrometry

Low temperatures

- Cf. QD536 Thermochemistry
- Cf. TP480+ Low temperature engineering
- 277.9 Periodicals, societies, congresses, serial publications
- 278 General works, treatises, and textbooks
- 278.2 Juvenile works
- 278.4 Addresses, essays, lectures
- 278.6 Instruments and apparatus

High pressure

- 280 Periodicals, societies, congresses, serial collections
- 280.2 General works, treatises, and textbooks
- 280.4 Study and teaching. Research
- 280.6 Technique
- 280.8 Instruments and apparatus

Relations between pressure, volume, and temperature

- 281 General works
- 281.5.A-Z Special topics, A-Z
 - 281.5.C6 Compressibility
 - 281.5.E9 Expansion
- (282) Solids
 - see QC176+
- (284) Liquids
 - see QC138+
- (286) Gases
 - see QC161+
- Calorimeters and calorimetry
 - Cf. QD510+ Thermochemistry
 - Cf. TP315+ Fuel (Chemical technology)
- 290 Periodicals, societies, congresses, serial publications

Heat

Calorimeters and calorimetry -- Continued

291 General works, treatises, and textbooks

292 Addresses, essays, lectures

293.A-Z Special types of calorimeters, A-Z

293.A3 Adiabatic

293.F5 Fluid

293.F8 Fuel

293.G3 Gas

293.M5 Microcalorimeter

293.R3 Radiation

293.V3 Vacuum

295 Specific heat of solids and liquids

297 Specific heat of gases and vapors

Change of state

301 General works, treatises, and textbooks

303 Fusion and solidification. Heat of fusion

304 Saturated vapors. Vapor pressure. Evaporation. Ebullition.

Heat of vaporization

Cf. QC915.5+ Meteorology

Cf. QD533 Vapor densities

Cf. QD535 Liquefaction of gases

307 Continuity of state. Critical state. Critical point. Equations of state

309 Vaporization of solids. Sublimation

310 Heat of formation, solution, wetting, etc.

Cf. QD516 Thermochemistry

Thermodynamics

Cf. QC718.5.T5 Plasma physics

Cf. QD510+ Chemical thermodynamics

Cf. TJ255+ Heat engines. Engineering thermodynamics

Cf. TN689+ Metallurgical thermodynamics

310.15 Periodicals, societies, congresses, serial publications

310.2 Collected works (nonserial)

310.3 Dictionaries and encyclopedias

310.5 Nomenclature, terminology, notation, abbreviations

311 General works, treatises, and advanced textbooks

311.15 Elementary textbooks

311.19 Addresses, essays, lectures

311.2 Special aspects of the subject as a whole

Study and teaching. Research

311.25 General works

311.28 Problems, exercises, examinations

311.29 Data processing

311.3 Handbooks, tables, formulas, etc.

Special types of thermodynamics

311.5 Statistical

Heat

Thermodynamics

Special types of thermodynamics -- Continued

311.7

Relativistic

312

Mechanical equivalent of heat

318.A-Z

Other special topics, A-Z

318.E55

Enthalpy

318.E57

Entropy

Cf. QC174.85.Q83 Quantum entropy

Equilibrium thermodynamics see QC318.T47

Force and energy see QC71.82+

Gases see QC167.5+

318.I7

Irreversible processes

Including nonequilibrium thermodynamics

Cf. QC174.17.I76 Quantum theory

318.J6

Joule-Thomson effect

Low temperatures see QC277.9+

318.M3

Mass transfer

318.M35

Maxwell's demon

Nonequilibrium thermodynamics see QC318.I7

318.O63

Open systems

318.P6

Planck radiation law

318.T47

Thermodynamic equilibrium

318.T5

Thermodynamic potentials

319

Miscellany and curiosa

Heat transfer

319.8

Periodicals, societies, congresses, serial publications

319.9

Collected works (nonserial)

320

General works, treatises, and textbooks

320.14

Juvenile works

320.16

Addresses, essays, lectures

320.2

Special aspects of the subject as a whole

320.22.A-Z

Special topics, A-Z

320.22.E4

Electromechanical analogies

320.22.E43

Electronic data processing

320.22.F5

Film boiling

Study and teaching. Research

320.3

General works

320.34

Problems, exercises, examinations

320.36

Experiments

320.38

Instruments and apparatus

320.4

Handbooks, tables, formulas, etc.

Conduction

320.8

Periodicals, societies, congresses, serial publications

321

General works, treatises, and textbooks

321.3

Juvenile works

321.5

Addresses, essays, lectures

Heat

Heat transfer

Conduction -- Continued

- 321.6 Special aspects of the subject as a whole
- 321.7.A-Z Special topics, A-Z
- 321.7.E4 Electromechanical analogies
- 321.7.T55 Thermal diffusivity
- 323 Experiments

Convection

- Cf. TH7435+ Heating of buildings
- 326 Periodicals, societies, congresses, serial publications
- 327 General works, treatises, and textbooks
- 327.4 Handbooks, manuals, etc.
- 328 Addresses, essays, lectures
- 330 Free convection
- 330.2 Bénard cells

Radiation and absorption. Laws of cooling

- 331 General works
- Instruments
- 338 General works, treatises, and textbooks
- 338.5.A-Z Special, A-Z
- 338.5.B6 Bolometers
- 338.5.P95 Pyroelectric detectors
- 338.5.R3 Radiometers
- 338.5.R33 Radiomicrometers
- Thermopiles see QC274

Optics. Light

- Cf. QC220+ Sound, light, and heat as a whole
- Cf. QC494+ Color
- Cf. QP474+ Physiological optics
- Cf. TA1501+ Applied optics. Lasers
- 350 Periodicals, societies, congresses, serial publications
- 351 Collected works (nonserial)
- 351.2 Dictionaries and encyclopedias
- 351.5 Nomenclature, terminology, notation, abbreviations
- 352 History
- 353 Early works through 1800
- General works, treatises, and advanced textbooks
- 355 1801-1969
- 355.2 1970-2000
- 355.3 2001-
- 358 Elementary textbooks
- 358.5 Popular works
- 360 Juvenile works
- 361 Addresses, essays, lectures
- 362 Pictorial works and atlases
- Study and teaching. Research

Optics. Light

Study and teaching. Research -- Continued

- 363 General works
- 363.2 Outlines, syllabi
- 363.4 Problems, exercises, examinations
- 365 Experiments
- 366 Laboratory manuals
- 367 Optical measurements
- 368 Optical constants
- 369 Handbooks, tables, formulas, etc.
- 369.2 Miscellany and curiosa
- 370 Information theory in optics
- Optical instruments and apparatus (General)
 - Cf. QC385+ Lens and mirror systems
 - Cf. QC787.O6 Nuclear fission, atomic energy, and radioactivity instruments
 - Cf. TS510+ Optical instrument manufacture
- 370.5 Periodicals, societies, congresses, serial publications
- 370.6 Collected works (nonserial)
- 370.7 Dictionaries and encyclopedias
- 371 General works, treatises, and textbooks
- 371.4 Juvenile works
- 371.5 Addresses, essays, lectures
- 372 Special aspects of the subject as a whole
- 372.2.A-Z Special topics, A-Z
- 372.2.D4 Design
- Study and teaching. Research
 - 372.22 General works
 - 372.24 Laboratory manuals
 - 372.6 Handbooks, tables, formulas, etc.
 - 373.A-Z Special instruments, A-Z
 - 373.B3 Beam splitters
 - 373.B55 Binoculars. Field glasses
 - 373.C64 Collimators
 - Diffraction gratings see QC417
 - Field glasses see QC373.B55
 - Hand lenses see QC373.M33
 - 373.H5 Heliostat
 - Interference microscopes see QH212.I5
 - 373.K3 Kaleidoscopes
 - 373.L5 Light filters
 - 373.M33 Magnifying glasses. Hand lenses
 - Mass spectrometers see QC454.M3
 - Microscopes see QH211+
 - 373.O59 Optical detectors
 - 373.P7 Polariscopes
 - Polarizing apparatus see QH217

- Optics. Light
Optical instruments and apparatus (General)
Special instruments, A-Z
- 373.Q2 Q-switching
Reflectometer see QC425.4
Refractometers see QC426.4
- 373.R4 Reticles
Scanning systems see TK7882.S3
- 373.S3 Schlieren apparatus
Including schlieren methods
- 373.S7 Spectrograph. Spectrometer
- 373.S8 Stereoscope
- 373.S85 Stroboscopes
Telemeter see TK399
Telescopes see QB88+
- Materials for optical instruments, etc.
- 374 General works
- 374.5 Diamond
- 375 Glass
- 376 Quartz
- 378 Thin films
- 379 Miscellany and curiosa
- Geometrical optics
Cf. QC974.5+ Meteorological optics
Cf. TR220 Photographic optics
- 380 Early works through 1800
- 381 General works, treatises, and advanced textbooks
- 381.2 Elementary textbooks
- 381.4 Popular works
- 381.6 Juvenile works
- Study and teaching. Research
- 382 General works
- 382.2 Problems, exercises, examinations
- 382.6 Laboratory manuals
- 383 Mathematical theory
- Lens and mirror systems
Cf. QB88+ Astronomical instruments
Cf. RE961 Ophthalmology
Cf. TC379 Lighthouse lenses
Cf. TP867 Mirrors and mirror frames
Cf. TR270+ Camera lenses
Cf. TS517.3+ Manufacture of optical surfaces
- 385 General works
- 385.2.A-Z Special topics, A-Z
- 385.2.D47 Design
Cf. QC372.2.D4 Optical instrument design
- 385.5 Experiments

- Optics. Light
- Geometrical optics -- Continued
- 387 Refractive indices
Cf. QC426.4 Refractometers
- 389 Transmission of radiation
- 391 Photometry. Microphotometry
Including densitometers
Cf. QB135 Astronomical photometry
Cf. TK4367 Electric light testing
Cf. TP754 Gas light testing
- Physical optics
- 392 Periodicals, societies, congresses, serial publications
- 393 Collected works (nonserial)
- 393.2 Dictionaries and encyclopedias
- 394 Early works through 1800
General works, treatises, and advanced textbooks
- 395 1801-1969
- 395.2 1970-
- 396 Elementary textbooks
- 397 Addresses, essays, lectures
- 397.5.A-Z Special topics, A-Z
- 397.5.I53 Images
- 397.5.O77 Optical losses
- Study and teaching. Research
- 398 General works
- 398.2 Problems, exercises, examinations
- Theories of light
- 401 General works
- 402 Corpuscular theory
Cf. QC446.15+ Quantum optics
- 403 Wave theory
Cf. QC669+ Electromagnetic theory
- 406 Miscellaneous speculations
- 407 Velocity of light
- Interference
- Including Newton's rings, interferometer
Cf. QH212.I5 Interference microscopes
- 410.9 Periodicals, societies, congresses, serial publications
- 411 General works, treatises, and textbooks
- 411.4 Instruments and apparatus
- Diffraction
- 414.8 Periodicals, societies, congresses, serial publications
- 414.9 Collected works (nonserial)
- 415 General works, treatises, and textbooks
- 416 Addresses, essays, lectures
- 417 Instruments and apparatus
Including diffraction gratings

Optics. Light

Physical optics -- Continued

Reflection

- 425 General works
- 425.2 Juvenile works
- 425.4 Instruments and apparatus
 - Including reflectometers

Refraction

- 425.9 Collected works (nonserial)
- 426 General works, treatises, and textbooks
- 426.2 Juvenile works
- 426.4 Instruments and apparatus
 - Including refractometers
- 426.6 Handbooks, tables, formulas, etc.
- 426.8.A-Z Special topics, A-Z
- 426.8.D68 Double refraction
- 426.8.N44 Negative refraction

Scattering (General)

- 427 Periodicals, societies, congresses, serial publications
- 427.4 General works, treatises, and textbooks
- 427.6 Handbooks, tables, formulas, etc.
- 427.8.A-Z Special topics, A-Z
- 427.8.C7 Critical opalescence
- 427.8.C73 Critical scattering
- 427.8.M5 Mie scattering
- 427.8.R3 Rayleigh scattering
- 427.8.S64 Speckle
 - Cf. TA1671+ Lasers and laser applications

Dispersion

- 431 General works
- 435 Anomalous dispersion

437 Incidence

- Including grazing incidence

Polarization

- Cf. QD481 Stereochemistry
- Cf. TP382 Saccharimetry
- 440 Periodicals, societies, congresses, serial publications
- 441 General works, treatises, and textbooks
- 442 Addresses, essays, lectures
- 443 Production and measurement
- 445 Rings and brushes of crystals
 - Cf. QD941 Optical properties of crystals
- 446.A-Z Other special topics, A-Z
- 446.D5 Dichroism

Nonlinear optics. Quantum optics

- For maser and laser physics see QC685+
- 446.15 Periodicals, societies, congresses, serial publications

Optics. Light

Physical optics

Nonlinear optics. Quantum optics -- Continued

446.2 General works, treatises, and textbooks

446.3.A-Z Special topics, A-Z

446.3.C45 Chaos

446.3.H37 Harmonics (Electric waves)

446.3.O65 Optical bistability

446.3.O67 Optical phase conjugation

446.3.O68 Optical pumping

446.3.S67 Squeezed light

Magnetooptics see QC675+

(447) Electronic optics

see QC793.5.E62+

Fiber optics

Cf. TA1800+ Applied fiber optics

447.9 Periodicals, societies, congresses, serial publications

448 General works, treatises, and textbooks

448.2 Addresses, essays, lectures

Holography

Cf. HD9707.5.H34+ Holography industry

Cf. QC244.5 Acoustic holography

Cf. TA1540+ Applied holography

449 General works

449.3 Electron holography

449.5 Optical tomography

Spectroscopy

Class here general works on the theory of spectroscopy and works intended primarily for physicists, including the spectroscopy of all electromagnetic radiations

Class here also compilations of spectra of elements, groups of elements, organic and inorganic compounds

For works on the application of spectroscopy in analytical chemistry and theoretical works intended primarily for chemists, see QD95-QD96; QD272.S6

450 Periodicals, societies, congresses, serial publications

450.15 Collected works (nonserial)

450.3 Dictionaries and encyclopedias

450.5 History

451 General works, treatises, and textbooks

451.2 Pictorial works and atlases

451.4 Addresses, essays, lectures

451.6 Special aspects of the subject as a whole

Study and teaching. Research

451.8 General works

451.82 Laboratory manuals

452 Data processing

	Optics. Light
	Spectroscopy -- Continued
452.5	Instruments and apparatus
453	Handbooks, tables, formulas, etc. Including wavelength tables
454.A-Z	Special types of spectra and spectroscopy, A-Z
454.A2	Absorption spectra
454.A25	Accelerator mass spectrometry
	Alpha ray spectroscopy see QC793.5.A22+
454.A7	Arc spectra
454.A8	Atomic spectroscopy
	Band spectra see QC454.M6
454.B39	Beam-foil spectroscopy
	Beta spectroscopy see QC793.5.B42+
454.B74	Broadband dielectric spectroscopy
454.C634	Collision spectroscopy
454.E4	Electron spectroscopy
454.E46	Emission spectroscopy
454.F6	Flame spectroscopy
454.F7	Fourier transform spectroscopy
454.F85	Frequency spectra
	Gamma spectroscopy see QC793.5.G32+
454.G3	Gas spectra
454.H33	Hadamard transform spectroscopy
	Hadron spectroscopy see QC793.5.H32+
454.H618	High resolution spectroscopy
454.H9	Hyperfine spectra
	In-beam gamma ray spectroscopy see QC793.5.G32+
	Infrared spectrum see QC457
454.I48	Integral field spectroscopy
454.I5	Internal reflection spectroscopy
454.L3	Laser spectroscopy
454.L58	Level-crossing spectroscopy
454.L63	Light-beating spectroscopy
	Luminescence spectroscopy see QC476.6
	Magnetic resonance spectroscopy see QC762
454.M3	Mass spectroscopy
454.M32	Matrix isolation spectroscopy
454.M5	Microwave spectroscopy
454.M6	Molecular spectroscopy
	Mössbauer spectroscopy see QC491
	Neutron spectroscopy see QC793.5.N462+
	Nuclear magnetic resonance spectroscopy see QC762
454.N8	Nuclear spectroscopy Cf. QC793.5.A22+ Particle spectra
454.O66	Optical spectroscopy
454.O68	Optogalvanic spectroscopy

	Optics. Light
	Spectroscopy
	Special types of spectra and spectroscopy, A-Z --
	Continued
454.P46	Particle spectra see QC793.5.A22+
454.P48	Photodetachment threshold spectroscopy
	Photoelectron spectroscopy
454.R3	Plasma spectroscopy see QC718.5.S6
454.R36	Radiofrequency spectroscopy
454.R4	Raman spectroscopy
454.R47	Reflectance spectroscopy
454.R5	Resonance ionization spectroscopy
	Resonant ultrasound spectroscopy
	Rotational spectra see QD481
	Scintillation spectroscopy see QC491.5+
	Solar spectroscopy (Meteorology) see QC910.2+
	Solar spectroscopy (Optics) see QC455
454.S7	Spark spectroscopy
454.T47	Terahertz spectroscopy
	Time-of-flight mass spectroscopy see QC454.M3
454.T75	Tunneling spectroscopy
	Ultraviolet spectroscopy see QC459+
454.V5	Vibrational spectra
	X-ray spectroscopy see QC482.S6
454.Z44	ZEKE spectroscopy
455	Solar spectrum
	Including wavelength measurements and maps
	For works relating to the constitution and physical condition of the sun see QB551
457	Infrared spectrum
	Cf. TA1570 Infrared technology
	Ultraviolet spectrum
	Cf. TA1501+ Applied optics. Lasers
459	General works
459.5	Far ultraviolet spectrum
	Spectra of special substances
462.A-Z	Special elements and groups of elements, A-Z (Table Q1 modified)
462.C65	Colloids
462.M47	Metal vapors
462.M49	Metals
462.R2	Rare earths
462.T85	Trace elements
462.T86	Transition metals
	Organic compounds
462.5	General works, treatises, and textbooks
462.85	Handbooks, tables, formulas, etc.

QC

Optics. Light

Spectroscopy

Spectra of special substances

Organic compounds -- Continued

Special organic compounds, A-Z

463.A-Z	
463.A4	Alcohols
463.A47	Alkaloids
463.A8	Amines
463.A84	Anthracene and derivatives
463.A86	Anthraquinones
463.B4	Benzene
463.B5	Biphenyl compounds
463.C3	Carbohydrates
463.C5	Chelates
463.C54	Chlorophyll
463.C57	Chroman
463.C78	Coordination compounds
463.E68	Essences and essential oils
463.E69	Esters
463.E7	Ethers and oxides
463.F55	Fluorocarbons
463.F6	Formaldehyde
463.F8	Furans
463.G84	Gums and resins
463.H4	Heterocyclic compounds
463.H9	Hydrocarbons
463.I44	Imidazole
463.I5	Indole alkaloids
463.M38	Metal carbonyls
463.N35	Naphthoquinone
463.O7	Organometallic compounds
463.O72	Organophosphorus compounds
463.O73	Organosilicon compounds
463.P46	Plasticizers
463.P5	Polymers
463.P55	Polyurethanes
463.P6	Porphyrin
463.P7	Proteins
463.P92	Pyridines
463.Q5	Quinoline
463.Q54	Quinone
	Resins see QC463.G84
463.S23	Saccharides
463.S72	Solvents
463.S8	Steroids
463.S9	Sulfur organic compounds
463.S94	Surface active agents

Optics. Light

Spectroscopy

Spectra of special substances

Organic compounds

Special organic compounds, A-Z -- Continued

Terpenes

Inorganic substances, A-Z

Alkali metal halides

Alkaline earth ferricyanides

Ammonia

Borates

Calcium fluoride

Carbon dioxide

Carbon disulfide

Ferroelectric crystals

Fused salts

Glass

Hydrides

Hydrochloric acid

Hydrogen fluoride

Mercury compounds

Metallic oxides

Mica

Nitrates

Nitric acid

Nitrogen dioxide

Nonmetallic minerals

Phosphates

Phosphorus compounds

Potassium hydride

Potassium phosphates

Quartz

Selenium compounds

Silicates

Silver chloride

Sodium halides

Sodium hydride

Sodium nitroferricyanide

Sulfur dioxide

Tellurium chlorides

Thallium chloride

Uranium compounds

Water

Zirconium oxide

Instruments and apparatus

Including absorptionmeter

463.T4

464.A-Z

464.A43

464.A44

464.A47

464.B67

464.C34

464.C37

464.C375

464.F45

464.F87

464.G55

464.H93

464.H934

464.H936

464.M47

464.M48

464.M53

464.N57

464.N574

464.N577

464.N64

464.P44

464.P46

464.P68

464.P685

464.Q37

464.S45

464.S54

464.S546

464.S63

464.S635

464.S637

464.S94

464.T44

464.T54

464.U73

464.W37

464.Z57

465

QC

Optics. Light

Spectroscopy -- Continued

467 Structure of spectral lines. Effect of pressure. Stark effect, etc.

Cf. QC675.5.Z4 Zeeman phenomenon

Radiation physics (General)

Cf. QA935+ Wave propagation in elastic solids

Cf. QB531 Astronomy

Cf. QC191 Elastic properties of solids

Cf. QC331+ Thermal radiation

Cf. QC787.C6 Nuclear counters, etc.

Cf. QC793.5.A+ Radiation of special particles

Cf. QC910.2+ Solar radiation

Cf. QD601+ Radiation chemistry

Cf. QP82.2.R3 Physiological effect

474 Periodicals, societies, congresses, serial publications

474.5 Collected works (nonserial)

475 General works, treatises, and textbooks

475.25 Juvenile works

475.5 Study and teaching. Research

475.6 Special aspects of the subject as a whole

475.7 Technique

475.8 Instruments and apparatus

476.A-Z Special topics, A-Z

476.C6 Coherence

Duality, Wave-particle see QC476.W38

476.S6 Sources of radiation

476.S86 Superradiance

476.W38 Wave-particle duality

Cf. QC401+ Theories of light

Luminescence

Cf. QC976.A3 Airglow

Cf. QD505.8 Chemiluminescence

476.4 Periodicals, societies, congresses, serial publications

476.45 Collected works (nonserial)

476.5 General works, treatises, and textbooks

476.6 Luminescence spectroscopy

Luminescent materials. Phosphors. Scintillators

Cf. QC787.S34 Scintillation counters

476.7 General works

476.75 Inorganic scintillators

476.77 Organic scintillators

Photoluminescence (General)

476.8 General works

Fluorescence

477 General works

- Radiation physics (General)
 - Luminescence
 - Photoluminescence (General)
 - Fluorescence -- Continued
 - 477.2 Instruments and apparatus
 - Including fluorimeters
 - 477.4 Sensitized fluorescence
 - Phosphorescence
 - Cf. QD79.P4 Phosphorimetry
 - Cf. QH641 Bioluminescence
 - Cf. TK454.4.P5 Phosphors (Electrical engineering)
 - Cf. TK7871.15.P4 Phosphors (Electronics)
 - 477.8 Periodicals, societies, congresses, serial publications
 - 477.9 Collected works (nonserial)
 - 478 General works, treatises, and textbooks
 - 479 Thermoluminescence
 - 479.5 Cathodoluminescence
 - 480 Electroluminescence
 - 480.2 Sonoluminescence
 - X-rays. Roentgen rays
 - Cf. QB472+ X-ray astronomy
 - Cf. QC710+ Discharges through gases
 - Cf. QH212.X2 X-ray microscopes
 - Cf. RC78+ Medical radiography
 - Cf. RM845+ Radiotherapy
 - Cf. TR750 Radiography (Photography)
 - 480.8 Periodicals, societies, congresses, serial publications
 - 480.9 Dictionaries and encyclopedias
 - 481 General works, treatises, and textbooks
 - 481.5 Instruments and apparatus
 - Cf. RC78.5 Radiography
 - Cf. RM862.5 Radiotherapy
 - Cf. TR750 Applied photography
 - 482.A-Z Special topics, A-Z
 - Crystallography see QD945
 - 482.D5 Diffraction
 - 482.G68 Grenz rays
 - 482.P6 Polarization
 - 482.S3 Scattering
 - 482.S6 Spectroscopy
 - Study and teaching. Research
 - 482.2 General works
 - 482.3 Experiments
 - (483) Electric radiations (General)
 - see QC660.5+
 - 484 Blackbody radiation
 - Bremsstrahlung

- Radiation physics (General)
- Bremsstrahlung -- Continued
- 484.2 Periodicals, societies, congresses, serial publications
- 484.3 General works, treatises, and textbooks
- 484.5 Study and teaching. Research
- 484.6.A-Z Special topics, A-Z
- 484.6.I5 Inner Bremsstrahlung
- Cosmic ray physics
- Cf. QB463+ Nuclear astrophysics
- Cf. QC770+ Nuclear physics
- Cf. QC809.V3 Van Allen radiation belts
- 484.8 Periodicals, societies, congresses, serial publications
- 484.85 Collected works (nonserial)
- 484.9 History
- 485 General works, treatises, and textbooks
- 485.4 Popular works
- 485.42 Juvenile works
- 485.5 Addresses, essays, lectures
- 485.55 Special aspects of the subject as a whole
- Observations. Data summaries
- 485.57 General works, treatises, and textbooks
- 485.575.A-Z By region or country, A-Z
- 485.6 Technique
- 485.7 Instruments and apparatus
- Cf. QC785.5+ Nuclear instruments and apparatus
- 485.75 Handbooks, tables, formulas, etc.
- 485.8.A-Z Special topics, A-Z
- 485.8.B8 Bursts
- Cosmic ray particles see QC793.3.C6
- 485.8.F6 Forbush decreases
- 485.8.O7 Origin
- 485.8.S5 Showers
- 485.8.S8 Stars
- 485.8.V3 Variations, Diurnal, etc.
- Including effects due to altitude, longitude, etc.
- 485.9.A-Z Special types, A-Z
- 485.9.A8 Atmospheric cosmic rays
- 485.9.G34 Galactic cosmic rays
- 485.9.P7 Primary cosmic rays
- 485.9.S4 Secondary cosmic rays
- 485.9.S6 Solar cosmic rays
- 485.9.U6 Underground cosmic rays
- Other radiations
- Alpha radiations see QC793.5.A22+
- Beta rays see QC793.5.B42+
- Cherenkov radiation
- 490.4 General works, treatises, and textbooks

Radiation physics (General)

Other radiations

Cherenkov radiation -- Continued

Instruments and apparatus see QC787.C6

Gamma rays see QC793.5.G32+

Infrared rays. Infrared spectrometry see QC457

Radiation and spectra of isotopes see QC795.8.S6

491

Mössbauer effect. Mössbauer spectroscopy

Scintillation spectroscopy

491.5

Periodicals, societies, congresses, serial publications

492

General works, treatises, and textbooks

Instruments and apparatus see QC787.S34

Van Allen radiation see QC809.V3

QC

Color

Cf. BF789.C7 Psychology

Cf. ML3840 Music and color

Cf. QD113 Colorimetry in analytic chemistry

Cf. QD473 Color in relation to atomic structure

Cf. QP483 Physiological effect

Cf. RM840 Phototherapy

Cf. TR510+ Color photography

Cf. TR977 Photomechanical color processes

494

Periodicals, societies, congresses, serial publications

494.15

Collected works (nonserial)

494.2

Dictionaries and encyclopedias

494.3

Nomenclature, terminology, notation, abbreviations

494.7

History

494.8

Early works through 1800

495

General works, treatises, and advanced textbooks

495.15

Elementary textbooks

495.2

Pictorial works and atlases

495.3

Popular works

495.5

Juvenile works

495.7

Addresses, essays, lectures

495.8

Special aspects of the subject as a whole

Study and teaching. Research

496

General works

496.15

Outlines, syllabi

496.3

Experiments

496.4

Laboratory manuals

496.6

Instruments and apparatus

Including colorimeters

496.8

Handbooks, manuals, etc.

496.9

Miscellany and curiosa

Electricity and magnetism

Cf. QC960.5+ Atmospheric electricity

Cf. TK1+ Electrical engineering

Electricity and magnetism -- Continued

Electricity

Including works that deal collectively with electricity and magnetism

For electric properties of solids see QC176.8.E35

501 Periodicals, societies, congresses, serial publications

503 Collected works (nonserial)

505 Dictionaries and encyclopedias

506 Philosophy. Theory

506.5 Nomenclature, terminology, notation, abbreviations

507 History

Biography

514 Collective

515.A-Z Individual, A-Z

e.g.

515.A6 Ampère

515.O4 Ohm

Early works

516 Through 1700

517 1701-1850

General works, treatises, and advanced textbooks

1851-1969

518 Treatises

521 Descriptive and experimental works

522 1970-

523 Elementary textbooks

527 Popular works

527.2 Juvenile works

527.4 Addresses, essays, lectures

527.5 Special aspects of the subject as a whole

528.A-Z Special topics, A-Z

528.E4 Electromechanical analogies

Maxwell's equations see QC669+

528.V4 Vector theory

529 Handbooks, tables, formulas, etc.

Study and teaching. Research

For programmed texts see QC518+

530 General works

531 Outlines, syllabi

532 Problems, exercises, examinations

533 Experiments

534 Laboratory manuals

Electric measurements

Cf. TK275+ Electrical engineering

535 General works

536 Electric units

537 Standards

- Electricity and magnetism
Electricity -- Continued
Laboratories
541.A1 General works
541.A3-Z By region or country, A-Z
Subarrange each country by Table Q6
Instruments and apparatus (General)
543 General works, treatises, and textbooks
544.A-Z Special instruments, A-Z
(544.A5) Ammeter
see QC645
(544.C3) Cathode ray tubes
see TK7871.73
Coils see QC645
544.C8 Current balance
Cyclotrons see QC787.C8
Decremeters see QC667
Electric meters see TK301+
544.E3 Electrodynamometer
544.E4 Electrometer
544.E45 Electrophori
544.E5 Electrostatic lenses
544.G2 Galvanometer
(544.G3) Gas tubes
see TK7871.8+
544.P5 Phonic wheel
544.P8 Potentiometer
544.Q3 Quadruple lenses
(544.V3) Vacuum tubes
see TK7871.72+
561 Miscellany and curiosa
Electrostatics. Frictional electricity
Cf. QA825+ Attractions and potential
Cf. QC960.5+ Atmospheric electricity
Cf. TP156.E5 Electrostatic separation
570 Periodicals, societies, congresses, serial publications
571 General works, treatises, and textbooks
571.4 Juvenile works
571.5 Addresses, essays, lectures
Study and teaching. Research
572 General works
572.4 Experiments
573 Instruments and apparatus
Including frictional and induction machines
577 Electrocapillary phenomena
581.A-Z Other topics, A-Z
581.E4 Electric charge and distribution

Electricity and magnetism

Electricity

Electrostatics. Frictional electricity

Other topics, A-Z -- Continued

581.I5

Induction

581.P6

Potential difference

581.V6

Volta effect

Dielectrics

Cf. TK3401+ Electric insulation

584

Periodicals, societies, congresses, serial publications

584.2

Collected works (nonserial)

585

General works, treatises, and textbooks

585.4

Addresses, essays, lectures

585.5

Study and teaching. Research

585.7.A-Z

Special topics, A-Z

585.7.B7

Breakdown

585.7.C6

Constant

585.7.D5

Dielectrophoresis

585.7.E43

Electric discharge

585.7.H4

Heating

585.7.L6

Loss

585.7.M3

Magnetic properties

585.7.O6

Optical properties

585.7.R3

Radiation effects

585.7.R4

Relaxation

585.75.A-Z

Specific dielectric substances, A-Z

585.75.S55

Silica

585.8.A-Z

Special types of dielectrics, A-Z

585.8.E4

Electrets

585.8.G38

Gaseous

585.8.L56

Liquid

589

Measurement of capacity

Cf. TK2805 Condensers (Dynamoelectric machinery)

Cf. TK7872.C65 Condensers (Electronics)

595

Pyroelectricity

Cf. QD939 Electric properties of crystals

Cf. TK7872.O7 Oscillators

595.5

Piezoelectricity

Cf. TK7872.P54 Piezoelectric devices

Ferroelectricity

Cf. QC715.17 Photoferroelectric effect

Cf. QD939 Electric properties of crystals

596

Periodicals, societies, congresses, serial publications

596.5

General works, treatises, and textbooks

596.9

Addresses, essays, lectures

Electricity and magnetism

Electricity -- Continued

Electric current (General)

Cf. QC641 Alternating currents

Cf. QD551+ Electrolysis

Cf. TK454+ Electric circuits and networks

601

General works

607

Ohm's law

(610)

Conduction in gases and vapors

see QC710+

Electric conductivity

Cf. TK3301+ Electric conductors

610.3

Periodicals, societies, congresses, serial publications

610.4

General works, treatises, and textbooks

Electric resistance

Cf. QC761+ Magnetic induction

Cf. QC809.E15 Earth resistance

Cf. TK7872.R4 Electric resistors

610.6

General works

610.7

Magnetoresistance

Semiconductor physics

Class here general works on the physical properties of
semiconductor materialsFor works on semiconductor materials used in
electronic engineering see TK7871.85+

Cf. QC176.8.E4 Solid-state electronics

610.9

Periodicals, societies, congresses, serial publications

610.92

Collected works (nonserial)

610.94

Nomenclature, terminology, notation, abbreviations

610.96

History

611

General works, treatises, and textbooks

611.2

Addresses, essays, lectures

611.24

Special aspects of the subject as a whole

Study and teaching. Research

611.26

General works

611.28

Problems, exercises, examinations

611.3

Laboratory manuals

611.4

Instruments and apparatus

611.45

Handbooks, tables, formulas, etc.

611.6.A-Z

Special topics, A-Z

611.6.A36

Acoustic properties

611.6.D4

Defects

611.6.D5

Diffusion

611.6.D6

Doping

611.6.E43

Electron-hole droplets

611.6.E45

Electron transport

Energy-band theory see QC176.8.E4

Electricity and magnetism

Electricity

Electric current (General)

Electric conductivity

Semiconductor physics

Special topics, A-Z -- Continued

611.6.G3	Galvanometric effects
611.6.H6	Holes
611.6.H67	Hot carriers
611.6.J85	Junctions
611.6.M64	Molecular beam epitaxy
611.6.O6	Optical effects
611.6.P52	Photoelectromagnetic effects
611.6.P55	Plasma effects
611.6.Q35	Quantum dots
611.6.R3	Radiation effects
611.6.R43	Recombination
	Reliability see TK7871.85+
611.6.S9	Surface properties
611.6.T4	Thermal properties
611.8.A-Z	Specific semiconducting substances and types, A-Z
611.8.A44	Alloys
611.8.A5	Amorphous substances
611.8.C34	Cadmium arsenide
611.8.C45	Chalcopyrite
611.8.C6	Compensated semiconductors
611.8.C64	Compound semiconductors
611.8.D66	Doped semiconductors
611.8.G3	Gallium arsenide
611.8.G4	Germanium
611.8.I52	Indium arsenide
611.8.L4	Lead chalcogenides
611.8.L5	Liquids
611.8.L68	Low-dimensional semiconductors
611.8.M25	Magnetic substances
611.8.M27	Many-valley semiconductors
611.8.M38	Mercury telluride
611.8.M4	Metal oxides
611.8.N33	Nanocrystals
611.8.N35	Narrow gap semiconductors
611.8.O68	Ore minerals
611.8.O7	Organic substances
611.8.P64	Polycrystalline semiconductors
611.8.R37	Rare earths
611.8.S44	Selenium
611.8.S45	Semimetals
611.8.S5	Silicon

Electricity and magnetism

Electricity

Electric current (General)

Electric conductivity

Semiconductor physics

Specific semiconducting substances and types, A-Z --

Continued

611.8.S86

Superlattices

611.8.T44

Tellurium

611.8.W53

Wide gap semiconductors

Superconductivity physics

Cf. QC175.4+ Superfluid physics

611.9

Periodicals, societies, congresses, serial collections

611.917

History

611.92

General works, treatises, and textbooks

611.922

Juvenile works

611.924

Handbooks, tables, formulas, etc.

Superconducting materials. Superconductors

Cf. QC761.3 Superconducting magnets

Cf. TK7872.C77 Cryoelectronic devices

Cf. TK7872.S8 Engineering

Cf. TK7895.C7 Cryotrons

611.94

Periodicals, societies, congresses, serial collections

611.95

General works, treatises, and textbooks

Study and teaching. Research

611.96

General works

By region or country

United States

611.962

General works

611.964.A-Z

By region or state, A-Z

611.966.A-Z

Other regions or countries, A-Z

611.97.A-Z

Special topics, A-Z

611.97.C54

Chemistry

611.97.E69

Equilibrium

Including nonequilibrium

611.97.F58

Fluctuations

611.97.M34

Magnetic properties

Nonequilibrium see QC611.97.E69

611.97.R33

Radiation effects

611.97.S64

Spectra

611.97.T46

Temperature effects

Including transition temperature

611.97.T54

Thermal properties

Transition temperature see QC611.97.T46

611.97.T86

Tunneling

611.98.A-Z

Special superconducting materials or types of
superconductors, A-Z

QC

	Electricity and magnetism
	Electricity
	Electric current (General)
	Electric conductivity
	Superconductivity physics
	Superconducting materials. Superconductors
	Special superconducting materials or types of
	superconductors, A-Z -- Continued
611.98.A44	Alloys
611.98.A48	Aluminum
611.98.A58	Anyon superconductivity
611.98.C47	Ceramic superconductors
611.98.C53	Chalcogenides
611.98.C63	Composites
611.98.C64	Copper
611.98.D33	d-band metals
611.98.D57	Dirty superconductors
611.98.H54	High temperature superconductors
611.98.M34	Magnetic
611.98.N54	Niobium
611.98.O74	Organic superconductors
611.98.R88	Ruthenium
611.98.T37	Ternary superconductors
611.98.T55	Thin film superconductors
611.98.T86	Type I superconductors
611.98.T87	Type II superconductors
611.98.V35	Vanadium
611.98.Z56	Zinc
612.A-Z	Other special topics, A-Z
612.H3	Hall effect
	Cf. TK7872.H3 Hall effect devices
612.P5	Photoconductivity
	Cf. TK8330+ Photoconductive cells
612.P6	Potential barrier
612.S6	Skin effect
	Superconductivity see QC611.9+
613	Electric resonance
	Cf. QC762 Nuclear magnetism
	Cf. QC794.6.R4 Nuclear interaction
615	Measurements of currents
	Including ammeters, voltmeters
618	Electromotive force
	Including voltmeters
	Thermoelectricity. Thomson effect. Peltier effect
	Cf. TK2950+ Applied thermoelectricity
621	General works
623	Heating effects of currents

Electricity and magnetism

Electricity

Electric current (General) -- Continued

625

Electrokinetics

Electrodynamics

Cf. QA920 Magnetohydrodynamic theory

Cf. QC717+ Ion flow dynamics

Cf. QC718.5.M36 Magnetohydrodynamics (Plasma physics)

Cf. QC809.E55 Geophysics

630

Periodicals, societies, congresses, serial publications

630.15

Collected works (nonserial)

630.2

Dictionaries and encyclopedias

630.5

History

631

General works, treatises, and textbooks

631.2

Addresses, essays, lectures

631.3

Special aspects of the subject as a whole

Study and teaching. Research

631.7

General works

631.75

Problems, exercises, examinations

631.8

Laboratory manuals

638

Inductance. Induction

641

Alternating currents (Theory)

Cf. TK1141+ Alternating current engineering

Cf. TK2711+ Alternating current machinery

Electric corona

642.5

Periodicals, societies, congresses, serial publications

643

General works, treatises, and textbooks

643.5

Instruments and apparatus

643.7.A-Z

Special topics, A-Z

643.7.D5

Discharge

643.7.P7

Pressure

645

Electric coils

Including induction coils

Cf. TK2391 Electric coils (Dynamoelectric machinery)

Cf. TK2805 Condensers (Dyanmoelectric machinery)

Cf. TK7872.C56 Electronics

648

Vacuum polarization

Electric oscillations. Electric waves

Including electromagnetic waves

Cf. QB460+ Astrophysics

Cf. QC809.E55 Cosmic electrodynamics

660.5

Periodicals, societies, congresses, serial publications

661

General works, treatises, and textbooks

662

Addresses, essays, lectures

665.A-Z

Special topics, A-Z

665.D3

Damping

QC

	Electricity and magnetism
	Electricity
	Electric oscillations. Electric waves
	Special topics, A-Z -- Continued
665.D5	Diffraction
665.D54	Diffusion
665.E36	Electric displacement
665.E38	Electric fields
665.E4	Electromagnetic fields
665.E45	Electromechanical analogies
665.P5	Photoabsorption
665.P6	Polarization
665.Q3	Quadrupole moment
665.S3	Scattering
665.T7	Transmission
665.V4	Velocity
	Study and teaching. Research
666	General works
666.5	Problems, exercises, examinations
667	Instruments and apparatus
	Including decimeters
	Electromagnetic theory
	Including Maxwell's equations
669	Periodicals, societies, congresses, serial publications
670	General works, treatises, and textbooks
	Study and teaching. Research
670.7	General works
670.75	Problems, exercises, examinations
671	Aberrations and moving media
	Cf. QB163 Correction of astronomical observations
	Electrooptics (General)
	Cf. TA1750+ Applied electrooptics
673	General works
673.5.A-Z	Special topics, A-Z
673.5.K4	Kerr effect
	Magnetooptics (General)
675	General works
675.5.A-Z	Special topics, A-Z
675.5.F3	Faraday effect
675.5.Z4	Zeeman effect
675.8	Microwave optics (General)
	Radio waves (Theory)
	Cf. QC972.6+ Radio meteorology
	Cf. TK6540+ Radio engineering
676	Periodicals, societies, congresses, serial publications
676.4	General works, treatises, and textbooks
676.6	Addresses, essays, lectures

Electricity and magnetism

Electricity

Electric oscillations. Electric waves

Radio waves (Theory) -- Continued

Special topics, A-Z

Diffraction

Scattering

Scintillation

Transmission

Microwaves (Theory)

Cf. QC718.5.M5 Plasma physics

Cf. TK7871.4 Masers

Cf. TK7876+ Electronics

Periodicals, societies, congresses, serial publications

General works, treatises, and textbooks

Addresses, essays, lectures

Study and teaching. Research

General works

Laboratory manuals

Quantum electrodynamics

Cf. QC793.3.E4 Elementary particle physics

Periodicals, societies, congresses, serial publications

Collected works (nonserial)

General works, treatises, and textbooks

Addresses, essays, lectures

Quantum electronics

Including maser and laser physics

Cf. TA1671+ Lasers

Cf. TK7871.4 Masers

Periodicals, societies, congresses, serial publications

Collected works (nonserial)

Dictionaries and encyclopedias

History

General works, treatises, and textbooks

Addresses, essays, lectures

Special topics, A-Z

Laser manipulation

Laser pulses

Special types of lasers, A-Z

Free electron lasers

Plasma lasers

Semiconductor lasers

Field emission

Electric discharge

General works, treatises, and textbooks

Electricity and magnetism

Electricity

Electric discharge -- Continued

Ions. Ionization. Thermionic emission (General)

Cf. QC972.6+ Radio meteorology

Cf. QD561+ Electrochemistry

Cf. QD601+ Radiochemistry

701.7 Periodicals, societies, congresses, serial publications

702 General works, treatises, and textbooks

702.3 Instruments and apparatus

Cf. QC787.I6 Ionization chambers

702.5 Ionization of specific gases, liquids, etc.

702.7.A-Z Other special topics, A-Z

702.7.A9 Auger effect

702.7.B65 Bombardment

702.7.E38 Electron impact ionization

702.7.E4 Emission, Secondary ion

702.7.H42 Heavy ions

702.7.I55 Ion implantation

702.7.I57 Ion swarms

Magnetic ions see QC754.2.M333

702.7.M84 Multiply charged ions

702.7.N4 Negative ions. Anions

702.7.P48 Photoionization

Class here works on the physics of ionization produced by photons of light, X-rays or gamma rays.

For general works on chemical and physical aspects of photoionization see QD716.P48

702.7.P6 Positive ions

702.7.R4 Recombination of ions

702.7.S3 Scattering

Secondary ion emission see QC702.7.E4

702.7.T73 Trapped ions

Spark discharge (General)

Cf. QC454.A+ Spectra of special elements

Cf. QC966+ Lightning

703 General works

703.5 Breakdown of spark

703.7 Exploding wire phenomenon

705 Arc discharge

Cf. TK4311+ Arc lighting

Electric discharge through gases

Including cathode rays, canal rays

Cf. QC480.8+ X-rays

Cf. QC793.5.E62+ Electron emission

Cf. TK7871.7+ Electron tubes

710 Periodicals, societies, congresses, serial publications

Electricity and magnetism

Electricity

Electric discharge

Electric discharge through gases -- Continued

- 711 General works, treatises, and textbooks
- 711.3 Addresses, essays, lectures
- 711.4 Special aspects of the subject as a whole
- 711.6.A-Z Electric discharge through specified gases, A-Z
 - 711.6.A7 Argon
 - 711.6.O9 Oxygen
- 711.8.A-Z Special topics, A-Z
 - 711.8.A34 Afterglow
 - 711.8.B7 Breakdown of spark
 - 711.8.D5 Dissociation
 - 711.8.G5 Glow discharge
 - 711.8.P6 Polarization
 - 711.8.R35 Radio frequency discharges

Photoelectricity. Photoelectric cells

Including other effects of light, X-rays, etc., on discharge

Cf. QC391 Photometry

Cf. QC793.5.P42+ Photons

Cf. QC794.8.P4 Photonuclear interactions

Cf. QD701+ Photochemistry

Cf. TK8300+ Optoelectronic devices. Photoelectronic devices

- 715 General works
- 715.15 Photoemission
- 715.17 Photoferroelectric effect
- 715.2 Photoelectric properties of special substances
 - Including sensitivity
- 715.4 Photoelectric cells
 - Including photovoltaic effect

Ion flow dynamics

- 717 General works
- 717.5.A-Z Special topics, A-Z
 - 717.5.I6 Ionic mobility

Plasma physics. Ionized gases

Cf. QA920 Magnetohydrodynamics

Cf. QC790.95+ Nuclear fusion

Cf. QC809.P5 Plasma (Cosmic physics)

Cf. TA2001+ Plasma engineering

Cf. TK2970 Magnetohydrodynamic generators

Cf. TL783.6 Plasma rockets

- 717.6 Periodicals, societies, congresses, serial publications
- 717.8 Collected works (nonserial)
- 718 General works, treatises, and textbooks
- 718.15 Addresses, essays, lectures

Electricity and magnetism

Electricity

Plasma physics. Ionized gases -- Continued

Special aspects of the subject as a whole

Special topics, A-Z

Accelerators see QC718.5.M36

Collisions with matter see QC718.5.P5

Collisions with particles see QC718.5.P55

Conductivity see QC718.5.T7

Confinement

Controlled fusion see QC791.7+

Cyclotron waves

Dense plasma focus

Density

Diagnostics

Diffusion see QC718.5.T7

Drift

Dusty plasmas

Dynamics

Electric fields

Electrodynamics

Electromagnetics

Electron oscillations and resonances see QC718.5.W3

Electrostatics

Equilibrium

Including nonequilibrium

Gyrotrons

Heat conduction see QC718.5.T7

High temperature

Hydrodynamics

Instabilities see QC718.5.S7

Ion waves see QC718.5.W3

Kinetics see QC718.5.T5

Laser-produced plasmas

Low temperature

Magnetic fields

Magnetohydrodynamics

Including plasma accelerators

Cf. QA920 Magnetohydrodynamic theory

Microwaves

Neutrality

Including nonneutrality

Nonequilibrium see QC718.5.E66

Optical phenomena

Oscillations see QC718.5.W3

Pinch effect

Plasma accelerators see QC718.5.M36

Electricity and magnetism

Electricity

Plasma physics. Ionized gases

Special topics, A-Z -- Continued

718.5.P5

Plasma reactions with matter

718.5.P55

Plasma reactions with particles

Plasma resonance see QC718.5.W3

718.5.P58

Plasmoids

718.5.Q17

Q-machines

718.5.R3

Radiation

718.5.S4

Sheaths

Cf. TL3028 Space vehicle communication systems

Shock waves see QC718.5.W3

718.5.S6

Spectroscopy

718.5.S7

Stability

Including instability

718.5.S78

Statistical behavior

718.5.S83

Strongly coupled plasmas

718.5.T5

Thermodynamics

718.5.T7

Transport

Including diffusion, conductivity, heat conductance,
velocity

718.5.T8

Turbulence

Velocity see QC718.5.T7

718.5.W3

Waves

Study and teaching. Research

718.6

General works

718.612

Problems, exercises, examinations

718.613

Experiments

Laboratories

718.614

General works

718.615.A-Z

Individual laboratories, A-Z

718.62

Technique

718.64

Instruments and apparatus

718.7

Handbooks, tables, formulas, etc.

718.8

Miscellany and curiosa

(721)

Physics of electrons, protons, and other particles

see QC793+

Magnetism

Cf. QB462.8 Cosmic magnetic fields

Cf. QC176.8.M3 Solid-state physics

Cf. QC718.5.M36 Plasma physics

Cf. QC811+ Geomagnetism

Cf. QD591 Magnetochemistry

750

Periodicals, societies, congresses, serial publications

750.15

Collected works (nonserial)

750.3

Philosophy. Theory

	Electricity and magnetism
	Magnetism -- Continued
750.4	History
751	Early works through 1800
	General works, treatises, and textbooks
753	1801-1969
753.2	1970-
753.5	Popular works
753.7	Juvenile works
753.8	Recreations
	Including amateur experiments
753.9	Addresses, essays, lectures
754	Special aspects of the subject as a whole
754.2.A-Z	Special topics, A-Z
754.2.B35	Band theory
754.2.E3	Electromechanical analogies
754.2.H9	Hysteresis
754.2.M3	Magnetic fields
	Cf. QC809.M25 Cosmic magnetism
754.2.M32	Magnetic force
754.2.M33	Magnetic induction
754.2.M333	Magnetic ions
754.2.M336	Magnetic structure
754.2.M34	Magnetization
754.2.M35	Magnetostatics
754.2.M36	Magnetostriiction
754.2.P4	Permeability
754.2.P45	Photomagnetic effect
754.2.P6	Potential
754.2.Q34	Quantum theory
754.2.S8	Susceptibility
	Therapeutic use see RZ422
	Study and teaching. Research
755	General works
755.2	Problems, exercises, examinations
755.3	Experiments
	Cf. QC753.8 Amateur experiments
755.4	Laboratory manuals
	Magnetic measurements
755.6	General works
755.65	Units and standards
	Instruments and apparatus
755.67	General works, treatises, and textbooks
755.675.A-Z	Special instruments, A-Z
755.675.H9	Hysteresigraph
755.7	Handbooks, tables, formulas, etc.
755.8	Miscellany and curiosa

Electricity and magnetism

Magnetism -- Continued

Magnets

- 756.7 Periodicals, societies, congresses, serial publications
- 757 General works, treatises, and textbooks
- 757.5 Juvenile works
- 757.7 Addresses, essays, lectures
- 757.8 Bonded magnets
- 757.9 Permanent magnets
- 757.92 Wiggler magnets

Electromagnetism

- Cf. QH656 Magnetic fields (Cytology)
- 759.6 Periodicals, societies, congresses, serial publications
- 759.8 History
- 760 General works, treatises, and textbooks
- 760.2 Juvenile works
- 760.25 Addresses, essays, lectures
- 760.4.A-Z Special topics, A-Z
- 760.4.M33 Magnetic monopoles
- 760.4.M37 Mathematics
- Study and teaching. Research
- 760.5 General works
- 760.52 Problems, exercises, examinations
- 760.54 Data processing
- 760.6 Handbooks, tables, formulas, etc.
- Electromagnets
 - Cf. QC787.C3 Calutrons
 - Cf. TJ1366 Lifting magnets
 - Cf. TK454.4.E5 Electrical engineering
- 761 General works
- 761.2 Juvenile works
- 761.3 Superconducting magnets
- Paleomagnetism see QE501.4.P35
- 761.4 Ferrimagnetism
 - Cf. QC766.F3 Ferrites
- 761.5 Ferromagnetism. Antiferromagnetism
- 761.8 Thermomagnetism
- Nuclear magnetism
- 761.9 General works
- 762 Nuclear magnetic resonance
- 762.6.A-Z Other special topics, A-Z
 - 762.6.A25 Acoustic nuclear magnetic resonance
 - 762.6.E45 Electron nuclear double resonance
 - 762.6.G53 Giant nuclear magnetic resonance
 - 762.6.H94 Hyperfine interactions
 - 762.6.M34 Magnetic resonance imaging
 - 762.6.R44 Relaxation

QC

	Electricity and magnetism
	Magnetism
	Nuclear magnetism
	Nuclear magnetic resonance
	Other special topics, A-Z -- Continued
762.6.S64	Spin-lattice relaxation
762.6.S65	Spin waves
762.6.T73	Translational motion
	Paramagnetism
762.9	General works
763	Electron paramagnetic resonance
764	Diamagnetism
	Magnetic materials
	Cf. TK454.4.M3 Electrical engineering
764.5	Periodicals, societies, congresses, serial publications
764.52	Dictionaries and encyclopedias
765	General works
766.A-Z	Special magnetic materials, A-Z
	Alloys, Magnetic see QC766.M34
766.A4	Amorphous substances
766.C6	Cobalt
766.F3	Ferrites
	Fluids, Magnetic see QC766.M36
766.I7	Iron
766.M34	Magnetic alloys
766.M36	Magnetic fluids
766.M4	Metallic oxides
766.R3	Rare earths
766.T56	Thorium
	Nuclear and particle physics. Atomic energy. Radioactivity
	Cf. QC170+ Constitution of matter. Atomic physics
	Cf. QD601+ Radiochemistry
	Cf. TK9001+ Nuclear engineering
	Cf. UG1282.A8 Atomic bombs
770	Periodicals, societies, congresses, serial publications
771	Collected works (nonserial)
772	Dictionaries and encyclopedias
	Communication of information
772.2	General works
772.4	Information services
	History
773.A1	Development and projects leading to production of first atomic bombs
773.A2-Z	General works
773.3.A-Z	By region or country, A-Z
	Biography
774.A2	Collective

- Nuclear and particle physics. Atomic energy. Radioactivity
 Biography -- Continued
 Individual, A-Z
- 774.A3-Z
 774.2
 776
 777
 778
 778.5
 780
 782
 782.5.A-Z
 782.5.P4
 783
 783.3
 783.4
 783.5
 783.8
 783.85
 784
 784.5
 785.5
 785.7
 786
 786.2
 786.4
 786.42
 786.43.A-Z
 786.45
 786.5
 786.55
 786.6.A-Z
 786.6.C6
 786.6.D4
 786.6.K5
 786.6.P68
 786.6.S73
- Biography -- Continued
 Individual, A-Z
 Directories
 General works, treatises, and advanced textbooks
 Elementary textbooks
 Popular works
 Juvenile works
 Addresses, essays, lectures
 Special aspects of the subject as a whole
 Special topics, A-Z
 Photography
 Cf. QC787.N78 Nuclear emulsions
 Handbooks, tables, formulas, etc.
 Data processing
 General works, treatises, and textbooks
 Laboratory manuals
 Pictorial works and atlases
 Study and teaching
 General works
 Problems, exercises, examinations
 Laboratory manuals
 Atomic and nuclear measurements
 Including atomic units
 Instruments and apparatus
 Periodicals, societies, congresses, serial publications
 Collected works (nonserial)
 General works, treatises, and textbooks
 Addresses, essays, lectures
 Nuclear reactors for research. Reactor physics
 Cf. TK9202+ Nuclear reactor engineering
 Periodicals, societies, congresses, serial publications
 History
 General works
 By region or country, A-Z
 Directories
 General works, treatises, and textbooks
 Addresses, essays, lectures
 Special topics, A-Z
 Accidents see TK9001+
 Computer programs
 Design and construction
 Fuel elements see TK9360+
 Kinetics
 Power distribution
 Statistical methods

Nuclear and particle physics. Atomic energy. Radioactivity
Instruments and apparatus

Nuclear reactors for research. Reactor physics

Special topics, A-Z -- Continued

786.6.T4

Thermal neutrons

Cf. QC793.5.T42+ Elementary particle physics

Study and teaching. Research

786.7

General works

786.75

Experiments

786.8

Handbooks, tables, formulas, etc.

787.A-Z

Other instruments, A-Z

787.B4

Betatrons

Bevatron see QC787.S9

787.B8

Bubble chambers

787.C3

Calutrons

787.C56

Cloud chambers

787.C58

Coincidence circuits

Cold cathode tubes see TK7871.84.C6

787.C59

Colliders

787.C6

Counters

Cf. TK9180 Nuclear engineering

787.C8

Cyclotrons

787.D35

Damping rings

787.D74

Drift chambers

787.E37

Electret ionization chambers

787.E39

Electron accelerators

787.E4

Electrostatic accelerators

787.E42

Electrostatic analyzers

787.F75

Fricke dosimeters

787.G32

Gamma ray detectors

787.G34

Gas calorimeters

787.G4

Geiger-Müller counters

787.H53

High-brightness accelerators

787.H54

High pressure ionization chambers

787.I6

Ionization chambers

787.K55

Klystrons

787.L5

Linear accelerators

787.L53

Linear colliders

787.M3

Magnetic analyzers

787.N78

Nuclear emulsions

787.N83

Nuclear track detectors

787.O6

Optical instruments

787.P3

Particle accelerators (General)

Cf. TK9340 Nuclear engineering

787.P34

Particle analyzers

Photoelectric multipliers see TK8314

787.P46

Photon detectors

Nuclear and particle physics. Atomic energy. Radioactivity
Instruments and apparatus

Other instruments, A-Z -- Continued

- 787.P69 Proportional counters
- 787.P7 Proton accelerators
- 787.P73 Proton antiproton colliders
 - Including proton synchrotron colliders
- 787.P8 Pulse height analyzers
- 787.R43 Recirculating electron accelerators
- 787.S3 Scanning systems
- 787.S34 Scintillation counters
- 787.S4 Sector focused cyclotrons
- 787.S45 Self-quenching counters
- 787.S55 Spark chambers
- 787.S6 Spectrometer
- 787.S8 Storage rings
- 787.S83 Supercolliders
 - Including Superconducting Super Collider
- 787.S85 Synchrocyclotrons
- 787.S9 Synchrotrons
- 787.T35 Targets
- 787.V3 Van de Graaff generators
- 787.V45 Vertex detectors

Research

Including laboratories and projects

788

General works

789.2.A3-Z

By region or country, A-Z

Subarrange each country by Table Q6

Nuclear fission

- 789.7 Periodicals, societies, congresses, serial publications
- 790 General works, treatises, and textbooks
- 790.3 Addresses, essays, lectures
- 790.4.A-Z Special topics, A-Z
 - 790.4.A6 Angular distribution
 - Delayed neutrons see QC793.5.D42+
 - 790.4.E6 Energy loss
 - 790.4.F5 Fission products (General)
 - Neutron transport theory see QC793.3.T7
 - 790.4.P4 Photofission
 - 790.4.P5 Pile theory
 - 790.4.S9 Symmetrical fission
- Instruments and apparatus
- 790.6 Fission of specific elements, A-Z (Table Q1)
- 790.8.A-Z

Nuclear fusion

Cf. UG1282.A8 Hydrogen bomb

- 790.95 Periodicals, societies, congresses, serial publications
- 790.97 Collected works (nonserial)

	Nuclear and particle physics. Atomic energy. Radioactivity
	Nuclear fusion -- Continued
791	General works, treatises, and textbooks
791.4	Popular works
791.5	Juvenile works
791.6	Addresses, essays, lectures
	Controlled fusion
791.7	Periodicals, societies, congresses, serial publications
791.72	Collected works (nonserial)
791.725	Directories
791.73	General works, treatises, and textbooks
791.735	Popular works
791.74	Addresses, essays, lectures
	Study and teaching. Research
791.745	General works
	By region or country
	United States
791.75	General works
791.755.A-Z	By region or state, A-Z
791.76.A-Z	Other regions or countries, A-Z
791.77.A-Z	Special devices, A-Z
791.77.S7	Stellarators
791.775.A-Z	Special topics, A-Z
791.775.C64	Cold fusion
	Inertial confinement fusion see QC791.775.P44
791.775.L37	Laser fusion
791.775.P44	Pellet fusion. Inertial confinement fusion
791.8.A-Z	Other special topics, A-Z
	Neutron transport theory see QC793.3.T7
	Thermonuclear reactions see QC791.7+
	Atomic energy
	Cf. BR115.A83 Moral and religious aspects
	Cf. HD9698+ Economic aspects
	Cf. QC913.2.A8 Meteorological aspects
	Cf. TK9001+ Atomic power
791.9	Periodicals, societies, congresses, serial publications
791.915	Collected works (nonserial)
791.92	Dictionaries and encyclopedias
	Communication of information
791.93	General works
791.94	Information services
	Nuclear regulatory commissions
791.948	General works
791.95.A-Z	By region or country, A-Z
791.96	History
791.98	Directories
792	General works, treatises, and textbooks

	Nuclear and particle physics. Atomic energy. Radioactivity
	Atomic energy -- Continued
792.4	Popular works
792.5	Juvenile works
792.6	Addresses, essays, lectures
792.7	Special aspects of the subject as a whole Including peaceful uses of atomic energy
	Study and teaching. Research
792.72.A-.Z8	General works
792.72.Z9	Catalogs of audiovisual materials
	By region or country
	United States
792.74	General works
792.76.A-Z	By region or state, A-Z
792.78.A-Z	Other regions or countries, A-Z
	Laboratories
792.79	General works
792.8.-Z	By region or country, A-Z Subarrange each country by Table Q6
	Elementary particle physics
	Cf. QC170+ Structure of matter and other theories
793	Periodicals, societies, congresses, serial publications
793.12	Collected works (nonserial)
793.13	Philosophy
793.15	Classification
793.16	History
793.2	General works, treatises, and advanced textbooks
793.24	Elementary textbooks
793.26	Popular works
793.27	Juvenile works
793.28	Addresses, essays, lectures
793.29	Special aspects of the subject as a whole
793.3.A-Z	Special topics, A-Z
793.3.A4	Algebra of currents Cf. QC174.52.A43 Quantum field theory
793.3.A5	Angular momentum
793.3.B4	Particle beams
793.3.B5	Binding energy. Nuclear forces
793.3.B6	Bootstrap theory
793.3.C53	Charm
793.3.C54	Chirality
793.3.C56	Collective excitations
793.3.C57	Color confinement
793.3.C58	Conservation laws
793.3.C6	Cosmic ray and ionospheric influences
793.3.C67	Coupling constants
793.3.D4	Decay. Lifetime

	Nuclear and particle physics. Atomic energy. Radioactivity
	Elementary particle physics
	Special topics, A-Z -- Continued
793.3.D43	Degree of freedom
793.3.D5	Diffraction
793.3.D55	Diffusion
793.3.D9	Dynamics
793.3.E4	Electrodynamics
793.3.E45	Electromagnetism
	Electronic data processing see QC793.47.E4
793.3.E5	Energy ranges
	Energy spectra see QC793.5.A22+
	Exciton theory see QC794.6.E9
793.3.E93	Exotic nuclei
793.3.F5	Field theories
	Flavor see QC793.3.Q37
793.3.G38	Gauge fields
	Including gauge theories
793.3.H44	Helicity
793.3.H5	High energy physics
	Invariance see QC793.3.S9
	Ionospheric influences see QC793.3.C6
	Isospin see QC793.3.S6
793.3.K5	Kinematics
793.3.L53	Lie algebras
	Lifetime see QC793.3.D4
	Magnetic dipole moment see QC793.3.S6
793.3.M3	Magnetic fields
793.3.M36	Matrix theories
	Molecules, Nuclear see QC793.3.N82
	Momentum see QC793.3.S6
	Nuclear cluster theory see QC793.3.S8
	Nuclear emulsions see QC793.47.P4
	Nuclear forces see QC793.3.B5
793.3.N8	Nuclear matter
	Nuclear models see QC793.3.S8
793.3.N82	Nuclear molecules
	Nuclear orientation see QC793.3.S6
793.3.N83	Nuclear shapes
	Particle accelerators see QC787.P3
	Particle beams see QC793.3.B4
	Phase shift see QC794.6.S3
	Photography. Nuclear emulsions see QC793.47.P4
	Polarization see QC794.6.S3
	Problem of many bodies see QC174.17.P7
793.3.Q35	Quantum chromodynamics
793.3.Q37	Quantum flavor dynamics

	Nuclear and particle physics. Atomic energy. Radioactivity
	Elementary particle physics
	Special topics, A-Z -- Continued
	Quantum theory see QC174.45+
793.3.R4	Regge trajectories
	Cf. QC174.17.G7 Group theory applied to quantum theory
	Relaxation see QC762.6.R44
	Renormalization theory see QC174.17.R46
	Resonance. Resonance integral see QC794.6.R4
	Scattering see QC794.6.S3
	Shapes, Nuclear see QC793.3.N83
793.3.S57	Space and time
	Cf. QC173.59.S65 Relativity physics
	Spectroscopy see QC454.N8
793.3.S6	Spin. Moments. Magnetic dipole moment. Nuclear orientation
793.3.S77	Statistical mechanics
793.3.S8	Structure
	Including nuclear models and nuclear cluster theory
793.3.S9	Symmetry. Invariance
	Cf. QC174.17.S9 Quantum theory
793.3.T67	Tracks
	Transitions see QC454.N8
793.3.T7	Transport theory
793.3.V5	Violations
793.3.W3	Wave mechanics
793.3.W4	Weight diagrams
	Study and teaching. Research
793.4	General works
793.412	Experiments
793.42	Problems, exercises, examinations
	Technique
793.46	General works
793.47.A-Z	Special, A-Z
793.47.E4	Electronic data processing
793.47.P4	Photography. Nuclear emulsions
793.47.S83	Statistical methods
	Instruments and apparatus see QC785.5+
793.49	Miscellany and curiosa
793.5.A-Z	Special nuclear and subnuclear particles, antiparticles, and families of particles, A-Z
793.5.A22-.A229	Alpha particles. Alpha rays (Table Q2)
793.5.A25-.A259	Anyons (Table Q2)
793.5.B32-.B329	Baryons (Table Q2)
793.5.B42-.B429	Beta particles. Beta rays (Table Q2)

QC

	Nuclear and particle physics. Atomic energy. Radioactivity
	Elementary particle physics
	Special nuclear and subnuclear particles, antiparticles, and families of particles, A-Z -- Continued
793.5.B62-.B629	Bosons (Table Q2) Including intermediate, W, and Z bosons
793.5.C64-.C649	Cold neutrons (Table Q2) Including ultracold neutrons
793.5.D42-.D429	Delayed neutrons (Table Q2)
793.5.D442-.D4429	Delayed protons (Table Q2)
793.5.D482-.D4829	Deuterons (Table Q2)
793.5.E62-.E629	Electrons (Table Q2) Including synchrotron radiation Cf. QC449.3 Electron holography
793.5.F32-.F329	Fast neutrons (Table Q2)
793.5.F42-.F429	Fermions (Table Q2)
793.5.G32-.G329	Gamma rays (Table Q2)
793.5.G552-.G5529	Gluons (Table Q2)
793.5.H32-.H329	Hadrons (Table Q2) Cf. QC794.8.S8 Strong interactions
793.5.H34-.H349	Heavy leptons (Table Q2)
793.5.H42-.H429	Hyperons (Table Q2) Including sigma particles and Y-particles
	Intermediate bosons see QC793.5.B62+
	Kaons see QC793.5.M42+
793.5.L42-.L429	Leptons (Table Q2) Cf. QC793.5.H34+ Heavy leptons Cf. QC794.8.W4 Weak interactions
793.5.M32-.M329	Magnons (Table Q2)
793.5.M42-.M429	Mesons (Table Q2) Including kaons, muons, and pions
	Muons see QC793.5.M42+
793.5.N42-.N429	Neutrinos (Table Q2)
793.5.N462-.N4629	Neutrons (Table Q2)
793.5.N82-.N829	Nucleons (Table Q2)
793.5.N862-.N8629	Nuclides (Table Q2)
	Phonons see QC176.8.P5
793.5.P42-.P429	Photons (Table Q2) Cf. QC176.8.P6 Polaritons Cf. QC794.8.E4 Electromagnetic interactions
	Pions see QC793.5.M42+
	Polarons see QC176.8.P62
793.5.P58-.P589	Pomerons (Table Q2)
793.5.P62-.P629	Positrons (Table Q2)
793.5.P642-.P6429	Prompt neutrons (Table Q2)
793.5.P72-.P729	Protons (Table Q2)
793.5.Q252-.Q2529	Quarks (Table Q2)

Nuclear and particle physics. Atomic energy. Radioactivity

Elementary particle physics

Special nuclear and subnuclear particles, antiparticles, and families of particles, A-Z -- Continued

793.5.Q32-.Q329

Quasi-particles (Table Q2)

Sigma particles see QC793.5.H42+

793.5.S62-.S629

Slow neutrons (Table Q2)

793.5.S72-.S729

Strange particles (Table Q2)

793.5.T32-.T329

Tachyons (Table Q2)

793.5.T37-.T379

Thermal electrons (Table Q2)

793.5.T42-.T429

Thermal neutrons (Table Q2)

W bosons see QC793.5.B62+

Y-particles see QC793.5.H42+

Z bosons see QC793.5.B62+

Nuclear interactions

Cf. QC454.N8 Nuclear spectroscopy

793.9

Periodicals, societies, congresses, serial publications

793.95

Collected works (nonserial)

794

General works, treatises, and textbooks

794.5

Addresses, essays, lectures

794.6.A-Z

Special topics, A-Z

794.6.A5

Angular distribution. Angular correlations

794.6.C58

Coherence

794.6.C6

Collisions

794.6.C7

Cross section of interactions

Decay see QC794.6.R3

794.6.E9

Excitation

Cf. QC795.8.E5 Energy levels

794.6.F4

Feynman diagrams

794.6.F65

Form factor

794.6.G7

Grand unified theories

794.6.I5

Internal conversion

794.6.I8

Isotone shift. Isotope shift

794.6.K5

Kinematics

794.6.M6

Moments

794.6.M85

Multiplicity

Polarization see QC794.6.S3

794.6.R25

Radiative capture

794.6.R3

Radioactivity. Decay

794.6.R4

Resonance. Resonance integral

794.6.S3

Scattering

Including elastic scattering, inelastic scattering, polarization, etc.

794.6.S75

Standard model

794.6.S8

Stopping power

794.6.S85

String models

Including superstring theories

	Nuclear and particle physics. Atomic energy. Radioactivity
	Nuclear interactions
	Special topics, A-Z -- Continued
	Transitions see QC454.N8
794.8.A-Z	Special types of interactions, A-Z
794.8.D57	Direct
794.8.E35	Effective
794.8.E4	Electromagnetic
	Cf. QC793.5.P42+ Photons
794.8.E44	Electroweak
794.8.E93	Exclusive
794.8.G7	Gravitational
794.8.H4	Heavy ion induced
	Including heavy ion collisions
794.8.H5	High energy
	Cf. QC793.3.H5 High energy physics
	Hyperfine see QC762.6.H94
794.8.I52	Inclusive
794.8.P4	Photonuclear
	Cf. QC715+ Photoelectricity
794.8.S7	Spallation
794.8.S8	Strong
	Cf. QC793.5.H32+ Hadrons
794.8.W4	Weak
	Cf. QC793.5.L42+ Leptons
	Radioactivity and radioactive substances
	Including ionizing radiation
	Cf. QC474+ Radiation physics
	Cf. QC913+ Meteorological aspects
	Cf. QD601+ Radiochemistry
	Cf. QE501.4.N9 Nuclear geophysics
	Cf. QH543.5+ Radiobiology
794.95	Periodicals, societies, congresses, serial publications
794.96	Collected works (nonserial)
794.97	Dictionaries and encyclopedias
794.98	History
795	General works, treatises, and textbooks
795.26	Popular works
795.27	Juvenile works
795.28	Addresses, essays, lectures
795.3	Special aspects of the subject as a whole
795.32.A-Z	Special topics, A-Z
795.32.R3	Radiation dosimetry in physics
795.32.S3	Safety measures for physicists
	Cf. RA1231.R2 Toxicology
	Cf. TK9152+ Nuclear engineering
	Study and teaching. Research

- Nuclear and particle physics. Atomic energy. Radioactivity
Radioactivity and radioactive substances
Study and teaching. Research -- Continued
- 795.34 General works
795.36 Experiments
795.38 Laboratory manuals
Laboratories see QD604.8+
Technique
Cf. TK9151.4+ Radiation environment procedures
- 795.4 General works
795.42 Measurement of radioactivity and ionizing radiation
795.5 Instruments and apparatus (General)
For individual instruments see QC785.5+
795.52 Handbooks, tables, formulas, etc.
795.55.A-Z Special types of radioactivity, A-Z
795.55.I5 Induced radioactivity
Radioactive substances and radioisotopes
Cf. TK9400+ Nuclear engineering
- 795.6 Periodicals, societies, congresses, serial publications
795.64 Dictionaries and encyclopedias
795.7 General works, treatises, and textbooks
795.74 Juvenile works
Study and teaching. Research
General works
795.76 Experiments
795.77 Laboratory manuals
795.78 Special topics, A-Z
795.8.A-Z Prefer classification by specific substance in QC796
- 795.8.D4 Decay
795.8.E5 Energy levels
795.8.F5 Fission products
795.8.H3 Half-life
795.8.I5 Internal conversion
Isobars, Nuclear see QC795.8.N8
795.8.N8 Nuclear isomers. Nuclear isobars
795.8.R3 Radionuclides
795.8.S6 Spectra
For spectra of specific substances see QC462+
Standards see TK9400+
795.8.T45 Thermal properties
Transportation see HE199.5.R3+
- 796.A-Z Special radioactive substances and radioisotopes, A-Z
(Table Q1)
796.2 Superheavy elements
Cf. QD172.S93 Inorganic chemistry

	Nuclear and particle physics. Atomic energy. Radioactivity
	Radioactivity and radioactive substances -- Continued
	Applications
	For applications in special fields, see the field, e.g. QH324.3,
	Tracers in biological research; RM858, Radioisotopes in
	therapeutics; TK9400-9401, Radioactive substances in
	industry
798.A1	General works, treatises, and textbooks
798.A2-Z	Individual, A-Z
798.D3	Dating
798.T7	Tracers
	Geophysics. Cosmic physics
	Cf. GB5000+ Natural disasters
801	Periodicals, societies, congresses, serial publications
801.3	International Geophysical Committee. International
	Geophysical Year
801.4	International Years of the Quiet Sun
801.5	Collected works (nonserial)
801.9	Dictionaries and encyclopedias
	Observations
802.A1	General works, treatises, and textbooks
802.A2-Z	By name of issuing observatory, A-Z
	Prefer QC803
803.A-Z	By region or country, A-Z
804	History
	Biography
805.A2	Collective
805.A3-Z	Individual, A-Z
806	General works, treatises, and textbooks
806.4	Juvenile works
806.6	Addresses, essays, lectures
807	Special aspects of the subject as a whole
	Study and teaching. Research
807.5	General works
807.52	Problems, exercises, examinations
807.6.A-Z	By region or country, A-Z
	Observatories
808.A2	General works
808.A5-Z	By region or country, A-Z
	Under each country:
	.x
	.x2A-.x2Z
	General works
	Individual observatories. By name,
	A-Z
808.5	Technique. Instructions for observers
808.6	Data processing
808.7	Instruments and apparatus
808.8	Handbooks, tables, formulas, etc.

- Geophysics. Cosmic physics -- Continued
- 809.A-Z Special topics, A-Z
- 809.A25 Acoustic phenomena
- 809.C6 Cosmic noise
- Earth radiation see QC809.T4
- 809.E15 Earth resistance
- 809.E2 Earth tides
- 809.E5 Elastic waves
- 809.E55 Electrodynamics
- Cf. QB460+ Astrophysics
- 809.E6 Energy budget. Heat budget
- 809.F5 Fluid dynamics
- Heat budget see QC809.E6
- 809.M25 Magnetic fields. Geomagnetic micropulsations
- 809.M3 Magnetohydrodynamics
- 809.M35 Magnetosphere. Magnetopause
- 809.M37 Mathematics
- Nuclear astrophysics see QB463+
- Nuclear geophysics see QE501.4.N9
- 809.P3 Paleogeophysics
- 809.P5 Plasmasphere. Space plasmas
- 809.R3 Radiation
- Solar wind see QB529+
- Space plasmas see QC809.P5
- 809.S67 Spectral theory
- 809.T38 Terrestrial heat flow
- 809.T4 Terrestrial radiation
- 809.V3 Van Allen radiation belts
- Geomagnetism
- Cf. QC750+ Magnetism
- Cf. QE501.4.P35 Paleomagnetism
- 811 Periodicals, societies, congresses, serial publications
- 811.15 Collected works (nonserial)
- 813 History
- 814 Early works through 1800
- General works, treatises, and textbooks
- 815 1801-1969
- 815.2 1970-
- 815.5 Juvenile works
- 815.7 Addresses, essays, lectures
- 816 Special aspects of the subject as a whole
- Observatories
- 818.A2 General works

	Geophysics. Cosmic physics
	Observatories -- Continued
818.A5-Z	By region or country, A-Z
	<i>Under each country:</i>
	.x <i>General works</i>
	.x2A-.x2Z <i>Individual observatories. By name,</i>
	<i>A-Z</i>
819	Instruments and apparatus
	Including magnetometer
820	Technique. Instruction for observers
820.6	Data processing
821	Handbooks, tables, formulas, etc.
822	Maps and mapping
	Including construction, use, and interpretation of maps
	Magnetic surveys
	Geographic areas below are not subarranged by country
825	General works
825.1	North America
825.2	Mexico, Central America, and West Indies
825.3	South America
825.4	Europe
825.5	Asia
825.6	Africa
825.7	Australia
825.75	New Zealand
825.8	Arctic regions
825.9	Antarctica
826.A-Z	Oceanic areas, A-Z
	Geomagnetic field (Analysis and theory)
827	General works
828	Secular variation
	Magnetic observations
830.A-Z	General works. By name of issuing observatory, A-Z
831	Diurnal variations
833	Other periodic variations
835	Magnetic disturbances
	Including magnetic storms
	Geomagnetism and related aspects
836	Sunspot periods
837	Eclipses
839	Meteorological phenomena
841	Geological structure
843	Earthquakes
845	Earth currents

- Geomagnetism -- Continued
- 849 Deviation of the magnetic compass and other magnetic instruments. Magnetism of ships and aircraft
Cf. TL589.2.C6 Aeronautical instruments
Cf. VK577 Nautical instruments
- Meteorology. Climatology
Including the earth's atmosphere and atmospheric physics
For works on the composite generalization of weather conditions of specific geographic areas during a specific period of time with reference to average conditions and their variability see QC980+
Cf. GB2801+ Hydrometeorology
Cf. N72.M48 Art and meteorology
Cf. QB603.A85 Planetary meteorology
Cf. S600+ Agricultural meteorology
Cf. SD390.5+ Forest meteorology
Cf. SH343.3 Fishery meteorology
Cf. TA197+ Engineering meteorology
Cf. TL556+ Aeronautical meteorology
Cf. UG467 Military meteorology
- 851 Periodicals, societies, congresses, serial publications
- 852 Collected works (nonserial)
- 854 Dictionaries and encyclopedias
- 854.15 Communication of meteorological information
For computer network resources see QC866.5.C67
For exchange of meteorological information see QC866.5.E93
- 854.2 Nomenclature, terminology, notation, abbreviations
- History
- 855 General works
- 857.A-Z By region or country, A-Z
- Biography
- 858.A2 Collective
- 858.A3-Z Individual, A-Z
- 859 Early works through 1800
General works, treatises, and advanced textbooks
- 861 1801-1969
- 861.2 1970-2000
- 861.3 2001-
- 863 Elementary textbooks
- 863.4 Popular works
Including works for hobbyists
- 863.5 Juvenile works
- 864 Handbooks, tables, formulas, etc.
Cf. QC871.4 Observers' manuals
Cf. QC873 Computation tables
- 865 Addresses, essays, lectures

	Meteorology. Climatology -- Continued
866	Special aspects of the subject as a whole
866.5.A-Z	Special topics, A-Z
866.5.C65	Communication systems
866.5.C67	Computer network resources
	Including the Internet
866.5.E93	Exchange of meteorological information
866.5.I5	International cooperation
	Cf. QC875.2.A+ International projects, programs, etc.
866.5.P4	Photography (General)
	Study and teaching. Research
869	General works
869.15	Outlines, syllabi
869.2	Programmed instruction
869.3	Problems, exercises, examinations
869.4.A-Z	By region or country, A-Z
869.5	Meteorology as a profession. Vocational guidance
870	Miscellany and curiosa
	Technique. Instructions for observers
871	Methods of observation
871.2	Observation forms, blanks, etc.
871.4	Observers' manuals
872	Telegraphic cipher codes for meteorological data
873	Computation tables (General)
	Synoptic meteorology. Computation and analysis
874	General works
874.3	Data processing
874.5	Statistical methods
874.8	Laboratory manuals
	Meteorological stations and observatories. Weather services
	Including marine meteorological services
875.A2	General works
875.A5-Z	By region or country, A-Z
	<i>Under each country:</i>
	<i>.x</i> <i>General works</i>
	<i>.x2A-.x2Z</i> <i>Individual observatories. By name,</i>
	<i>A-Z</i>
875.2.A-Z	Individual international projects, programs, etc. By name, A-Z
	Meteorological instruments
	For instruments of special fields, see the field, e.g., for
	Rain gauges see QC926
875.5	Periodicals, societies, congresses, serial publications
875.7	History
876	General works, treatises, and textbooks
876.5	Juvenile works
876.6	Addresses, essays, lectures

	Meteorology. Climatology
	Meteorological instruments -- Continued
	Museums. Exhibitions
876.7.A1	General works
876.7.A2-Z	By region or country, A-Z
	Subarrange each country by Table Q5
877	Weather signals, storm warnings, etc.
877.5	Weather broadcasting
	Including radio and television weathercasting
878	Construction of weather maps, charts, etc.
	Aeronomy. Upper atmosphere
878.5	Periodicals, societies, congresses, serial publications
878.6	Collected works (nonserial)
879	General works, treatises, and textbooks
879.15	Juvenile works
879.2	Addresses, essays, lectures
	Study and teaching. Research
879.23	General works
879.232.A-Z	By region or country, A-Z
879.25	Instruments and apparatus
	Aeronautics in meteorology
	Including sounding balloons, kites, etc.
	Cf. TL556+ Meteorology in aeronautics
879.3	Periodicals, societies, congresses, serial publications
879.35	General works, treatises, and textbooks
879.36	Addresses, essays, lectures
	Astronautics in meteorology
	Including weather satellites, rockets, etc.
879.4	Periodicals, societies, congresses, serial publications
879.5	General works, treatises, and textbooks
879.53	Juvenile works
879.54	Addresses, essays, lectures
879.55.A-Z	Special topics, A-Z
879.55.P4	Photography
	Including automatic picture receiving and transmission, etc.
	Stations, networks, and programs
879.56	General works
879.562.A2-Z	By region or country, A-Z
	Under each country:
	.x General works
	.x2A-.x2Z Individual stations, networks, and programs. By name, A-Z
879.57	Handbooks, tables, formulas, etc.
	Observations. Data summaries
879.59.A1	General works, treatises, and textbooks
879.59.A3-Z	By region or country, A-Z

Meteorology. Climatology -- Continued

Atmospheric chemistry

879.6

General works

Atmospheric ozone

Including ozone layer depletion

879.7

General works, treatises, and textbooks

879.712

Juvenile works

Observations. Data summaries

879.72

General

879.73.A-Z

By region or country, A-Z

879.8

Atmospheric carbon dioxide

879.85

Atmospheric methane

879.9.A-Z

Other chemical substances, A-Z

879.9.D55

Dimethyl sulfide

879.9.M47

Mercury

879.9.N57

Nitrogen compounds

879.9.O73

Organic compounds

879.9.P47

Peroxides

Radon see QC913.2.R3

Dynamic meteorology

Including mechanics and thermodynamics of the atmosphere
(combined)

Cf. QC930.5+ Wind

880

General works

880.2

Addresses, essays, lectures

880.4.A-Z

Special topics, A-Z

880.4.A3

Adiabatic processes

880.4.A5

Air masses

Cf. QC981.8.A5 Climatology

880.4.A8

Atmospheric circulation

880.4.B35

Baroclinicity

880.4.B55

Blocking

880.4.B65

Boundary layer

Clear air turbulence see QC880.4.T8

880.4.C64

Convection

880.4.C65

Coriolis force

880.4.C79

Cryosphere

880.4.D44

Diffusion

880.4.D5

Divergence. Convergence

Eddy flux see QC880.4.T8

880.4.E7

Equations of motion

880.4.F7

Fronts. Frontogenesis

880.4.L68

Low pressure systems

880.4.M52

Microbursts

880.4.P6

Power spectra

880.4.R6

Rossby waves

880.4.S56

Singularities

- Meteorology. Climatology
 Dynamic meteorology
 Special topics, A-Z -- Continued
 880.4.S65 Squalls. Squall lines
 880.4.T5 Thermodynamics
 880.4.T7 Transport phenomena
 880.4.T8 Turbulence
 Including clear air turbulence and eddy flux
 880.4.V6 Vorticity
 880.4.W3 Waves
 Atmospheric shells (General)
 Including composition of the atmosphere
 881 General works
 881.2.A-Z Specific shells, A-Z
 881.2.C4 Chemosphere
 881.2.D2 D region
 881.2.E2 E region
 881.2.E9 Exosphere
 881.2.F2 F region
 881.2.H43 Heliosphere
 881.2.H48 Heterosphere
 881.2.H6 Homosphere
 881.2.I6 Ionosphere
 Magnetosphere. Magnetopause see QC809.M35
 881.2.M3 Mesosphere. Mesopause
 881.2.M53 Middle atmosphere
 881.2.N4 Neutrosphere
 881.2.O9 Ozonosphere. Ozone layer
 881.2.S8 Stratosphere. Stratopause
 881.2.T4 Thermosphere
 881.2.T7 Tritosphere. Triptopause
 881.2.T75 Troposphere. Tropopause
 Atmospheric pollutants
 Cf. QC929.D9 Dust (Aqueous vapor)
 Cf. TD881+ Air pollution
 882 General works
 Aerosols
 882.4 Periodicals, societies, congresses, serial collections
 882.42 General works, treatises, and textbooks
 882.46 Technique
 882.5 Dust
 Cf. TD884.5 Air pollution
 882.6 Smoke plumes
 Cf. TD884 Air pollution
 Cosmic relations. Influence on sun and moon, etc.
 883 General works
 883.2.A-Z Special topics, A-Z

- Meteorology. Climatology
Cosmic relations. Influence on sun and moon, etc.
Special topics, A-Z -- Continued
- 883.2.A8 Atmospheric tides
883.2.C5 Climatic periodicity
883.2.S6 Solar activity. Solar climate
- Mesometeorology
- 883.4 Periodicals, societies, congresses, serial publications
883.42 Collected works (nonserial)
883.5 General works, treatises, and textbooks
883.52 Addresses, essays, lectures
Observations. Data summaries
- 883.54 General works, treatises, and textbooks
883.56.A-Z By region or country, A-Z
- Micrometeorology
- 883.7 Periodicals, societies, congresses, serial publications
883.72 Collected works (nonserial)
883.8 General works, treatises, and textbooks
883.82 Addresses, essays, lectures
Observations. Data summaries
- 883.84 General works, treatises, and textbooks
883.86.A-Z By region or country, A-Z
- Paleoclimatology
- Cf. QE697+ Geology
- 884 General works
884.2.A-Z Special topics, A-Z
884.2.C5 Climatic variations
884.2.D4 Dendroclimatology
Cf. QK477.2.A6 Annual rings
- 884.5.A-Z By region or country, A-Z
- Atmospheric pressure
- Cf. QC934 Relation to wind
- 885 General works, treatises, and textbooks
885.2 Charts, diagrams, maps, etc.
Observations. Data summaries
- 885.4 General works
885.6.A-Z By region or country, A-Z
- Mercury barometers and barographs
- 886 General works
887 Tables for reductions
889 Distribution, isobars, etc.
891 Variations and oscillations
895 Barometric hypsometry
896 Aneroid barometers and barographs
- Temperature and radiation

- Meteorology. Climatology
Temperature and radiation -- Continued
Atmospheric temperature
Cf. QC934.2 Wind chill
Cf. TL557.A8 Aeronautical meteorology
Observations
Including distribution, isotherms
901.A1 General works, treatises, and textbooks
901.A3-Z By region or country, A-Z
902 Instruments and apparatus
Variations
Including global temperature changes, etc.
Cf. QC981.8.G56 Global warming
903 General works, treatises, and textbooks
903.2.A-Z By region or country, A-Z
905 Winter temperatures
906 Summer temperatures
(907) Temperature of the earth
see QE509
Temperature of the sea see GC160+
(909) Temperature of rivers, lakes, and springs
see GB651+
Solar radiation. Sunshine
910.2 Periodicals, societies, congresses, serial publications
910.5 Collected works (nonserial)
911 General works, treatises, and textbooks
911.2 Juvenile works
911.3 Addresses, essays, lectures
911.6 Handbooks, tables, formulas, etc.
Observations. Data summaries
911.8 General works, treatises, and textbooks
911.82.A-Z By region or country, A-Z
912 Instruments and apparatus
Including actinometers, pyrheliometers, sunshine
recorders, etc.
912.2.A-Z Special topics, A-Z
912.2.S64 Solar constant
912.3 Atmospheric radiation
Including greenhouse effect
912.5 Albedo
912.55 Global radiation
Atmospheric radioactivity
913 General works
913.2.A-Z Special topics, A-Z
913.2.A8 Atomic energy
Including radioactive fallout
Cf. TD887.R3 Radioactive pollution

- Meteorology. Climatology
 - Temperature and radiation
 - Atmospheric radioactivity
 - Special topics, A-Z -- Continued
 - 913.2.R3 Radon
 - Aqueous vapor
 - Humidity. Hygrometry
 - 915 General works
 - Evaporation and evapotranspiration
 - 915.5 General works
 - Observations. Data summaries
 - 915.6 General works
 - 915.7.A-Z By region or country, A-Z
 - 916 Instruments and apparatus
 - Including hydrometers, psychrometers, etc.
 - 917 Handbooks, tables, formulas, etc.
 - 920 Forms of water (General)
 - Clouds
 - Cf. TL557.C6 Aeronautical meteorology
 - 920.7 Periodicals, societies, congresses, serial publications
 - 920.8 Collected works (nonserial)
 - 921 General works, treatises, and textbooks
 - 921.3 Pictorial works and atlases
 - 921.35 Juvenile works
 - 921.37 Addresses, essays, lectures
 - Observations. Data summaries
 - 921.375 General works, treatises, and textbooks
 - 921.377.A-Z By region or country, A-Z
 - Cloud forms and classification. Formation
 - 921.4 General works
 - 921.43.A-Z Special forms, A-Z
 - 921.43.C57 Cirrus
 - 921.43.C8 Cumulus
 - 921.43.N3 Nacreous (Mother-of-pearl)
 - Noctilucent see QC976.N6
 - 921.43.S8 Stratus
 - Cloud physics
 - 921.48 Periodicals, societies, congresses, serial publications
 - 921.5 General works, treatises, and textbooks
 - 921.55 Addresses, essays, lectures
 - 921.6.A-Z Special topics, A-Z
 - 921.6.C6 Condensation nuclei
 - Including cloud droplets, ice crystals, etc.
 - 921.6.C65 Convection
 - 921.6.D95 Dynamics
 - 921.6.E4 Electrification
 - 921.6.T4 Thermodynamics of clouds

	Meteorology. Climatology
	Aqueous vapor
	Clouds -- Continued
	Observations of altitude, motion, etc.
922	General works, treatises, and textbooks
923	Instruments and apparatus
	Including ceilometer
924.A-Z	By region or country, A-Z
	Rain and rainfall
	Cf. BV283.F3 Prayers for rain
	Cf. QE581 Erosion
	Cf. S622+ Soil conservation
	Cf. SD390.7.R34 Forest meteorology
	Cf. TD418 Rainwater (Water supply)
924.5	Periodicals, societies, congresses, serial publications
924.6	Collected works (nonserial)
924.7	Juvenile works
925	General works, treatises, and textbooks
	Observations. By region or country
	North America, United States and Canada
925.1.A1	North America (General)
	Canada
925.1.C2	General works
925.1.C3A-.C3Z	By region, province, etc., A-Z
	United States
925.1.U2-.U799	General works
925.1.U8A-.U8Z	By region or state, A-Z
	Mexico, Central America, and West Indies
925.2.A1	General works
925.2.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	South America
925.3.A1	General works
925.3.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	Europe
925.4.A1	General works
925.4.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	Asia
925.5.A1	General works
925.5.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	Africa
925.6.A1	General works
925.6.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4

QC

	Meteorology. Climatology
	Aqueous vapor
	Rain and rainfall
	Observations. By region or country -- Continued
	Atlantic Ocean islands
925.65.A1	General works
925.65.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	Australia
925.7	General works
925.71.A-Z	Local, A-Z
	New Zealand
925.72	General works
925.73.A-Z	Local, A-Z
	Pacific Ocean islands
925.8.A1	General works
925.8.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
925.82	Tropics
925.9	Arctic regions
925.95	Antarctica
926	Instruments and apparatus
	Including rain gauges
926.2	Data processing
	Snow. Ice. Blizzards
	Cf. GB641+ Frozen ground
	Cf. GB2401+ Ice on the ground
	Cf. GB2601+ Snow on the ground
926.3	Periodicals, societies, congresses, serial publications
926.32	General works, treatises, and advanced textbooks
926.36	Pictorial works
926.37	Juvenile works
	By region or country
	United States
926.43	General works
926.44.A-Z	By region or state, A-Z
	Subarrange each state by Table Q4
926.45.A-Z	Other regions or countries, A-Z
	Subarrange each country by Table Q4
	Acid precipitation. Acid rain
	Cf. TD195.4+ Environmental pollutants
926.5	Periodicals, societies, congresses, serial publications
926.52	General works, treatises, and advanced textbooks
	By region or country
	United States
926.55	General works

- Meteorology. Climatology
Aqueous vapor
Acid precipitation. Acid rain
By region or country
United States -- Continued
926.56.A-Z By region or state, A-Z
Subarrange each state by Table Q4
926.57.A-Z Other regions or countries, A-Z
Subarrange each country by Table Q4
Weather and cloud modification
Including weather control
Cf. QC921.48+ Cloud physics
926.6 Periodicals, societies, congresses, serial publications
928 General works, treatises, and textbooks
928.4 Juvenile works
928.6 Rainmaking. Cloud seeding
By region or country
United States
928.7 General works
928.72.A-Z By region or state, A-Z
928.74.A-Z Other regions or countries, A-Z
929.A-Z Other topics, A-Z
Including other forms of precipitation
929.A8 Avalanches
Blizzards see QC926.3+
929.D5 Dew formation
(929.D8) Droughts
see QC929.2+
929.D9 Dust influences
929.F7 Fog
Cf. TL557.F6 Aeronautical meteorology
929.F8 Forest influences
Frost see QC929.H6
929.G4 Glaze
929.H15 Hail
929.H6 Hoarfrost
Ice see QC926.3+
929.R17 Rain shadows
929.R2 Rain without clouds
Rainmaking see QC928.6
929.S43 Sea salt aerosols
929.S5 Showers of miscellaneous matter
929.S6 Smoke influences
(929.S7) Snow. Ice. Blizzards
see QC926.3+
Droughts
929.2 Periodicals, societies, congresses, serial publications

Meteorology. Climatology

Aqueous vapor

Droughts -- Continued

929.24 General works, treatises, and advanced textbooks

929.25 Juvenile works

By region or country

United States

929.26 General works

929.27.A-Z By region or state, A-Z

Subarrange each state by Table Q4

929.28.A-Z Other regions or countries, A-Z

Subarrange each country by Table Q4

Wind

Cf. QC880+ Dynamic meteorology

Cf. TA654.5 Wind loads on structures

Cf. TL557.A5 Aeronautical meteorology

Cf. VK543+ Sailing

930.5 Periodicals, societies, congresses, serial publications

930.6 Collected works (nonserial)

930.7 Dictionaries and encyclopedias

931 General works, treatises, and textbooks

931.4 Juvenile works

931.6 Addresses, essays, lectures

931.8 Charts, diagrams, maps, etc.

932 Instruments and apparatus

Including anemometers

932.5 Handbooks, tables, formulas, etc.

933 Direction and velocity

934 Wind relation to atmospheric pressure

934.2 Wind in relation to atmospheric temperature. Wind chill

935 Upper currents. Jet stream

939.A-Z Constant, local, and periodic winds, A-Z

939.B67 Bora

939.F6 Föhn, Chinook, etc.

939.G73 Gregale

939.K37 Katabatic winds

939.L37 Land and sea breezes

939.M7 Monsoons

939.M8 Mountain and valley winds

Including Santa Ana

939.N8 Northers

Sea and land breezes see QC939.L37

939.T7 Trade winds

Observations

940.A1 General works, treatises, and textbooks

940.A2-Z By region or country, A-Z

e.g.

- Meteorology. Climatology
Wind
Observations
By region or country, A-Z -- Continued
940.A8 North Atlantic Ocean
Storms. Cyclones
Cf. GC225+ Storm surges
Cf. QC926.3+ Snow. Ice. Blizzards
Cf. QC968+ Thunderstorms
Cf. TL557.S7 Aeronautical meteorology
940.6 Periodicals, societies, congresses, serial publications
941 General works, treatises, and textbooks
941.3 Juvenile works
941.8 Miscellany and curiosa
Theoretical aspects
Including dynamic meteorological aspects
942 General works
943 Application to navigation
943.5.A-Z By region or country, A-Z
Hurricanes and other cyclonic storms
944 General works, treatises, and textbooks
944.2 Juvenile works
By geographical location
945 Atlantic Ocean and West Indies
Including tropical cyclones, northeaster storms
947 India, Pakistan, and the Indian Ocean
948 China Seas and Pacific Ocean. Far East
Including typhoons
951 Instruments and apparatus
Including barocyclonometer
Tornadoes
955 General works
955.2 Juvenile works
955.5.A-Z By region or country, A-Z
957 Waterspouts
Dust storms. Dust devils. Sandstorms
958 General works
959.A-Z By region or country, A-Z
Electrical phenomena in the atmosphere
Cf. QC801+ Geophysics. Cosmic physics
Cf. QC972.6+ Radio meteorology
960.5 Periodicals, societies, congresses, serial publications
961 General works, treatises, and textbooks
961.2 Addresses, essays, lectures
961.5 Technique. Instructions for observers
962 Instruments and apparatus
963 Observations of potential variation

	Meteorology. Climatology
	Electrical phenomena in the atmosphere -- Continued
	Lightning (General)
	Cf. GR640 Folklore
	Cf. TH9057+ Protection of buildings from lightning
966	General works
966.5	Juvenile works
966.7.A-Z	Special topics, A-Z
	Arresters see TK3248
966.7.A84	Atmospheric ionization
966.7.B3	Ball lightning
966.7.D5	Discharge. Flash
	Thunderstorms (General)
968	General works
968.2	Juvenile works
969	Miscellaneous electrical phenomena
	Auroras
	Cf. QB524+ Solar activity
	Cf. QC835 Magnetic disturbance
	Cf. QC976.A3 Airglow
970	Periodicals, societies, congresses, serial publications
971	General works, treatises, and textbooks
971.3	Pictorial works and atlases
971.4	Juvenile works
971.5	Addresses, essays, lectures
	Observations
971.7.A1	General works, treatises, and textbooks
971.7.A2-Z	By region or country, A-Z
972.A-Z	Special topics, A-Z
972.L8	Luminescence
972.L85	Luminosity
972.P4	Photography
972.S6	Spectra
972.5.A-Z	Special types of aurora, A-Z
972.5.A8	Australis
972.5.B6	Borealis
	Northern lights see QC972.5.B6
	Polaris see QC972.5.B6
972.5.R3	Radio auroras
	Radio meteorology. Microwave meteorology
972.6	Periodicals, societies, congresses, serial publications
972.7	Collected works (nonserial)
973	General works, treatises, and textbooks
973.2	Addresses, essays, lectures
973.3	Instruments and apparatus
973.4.A-Z	Special topics, A-Z
973.4.A85	Atmospherics

- Meteorology. Climatology
 Radio meteorology. Microwave meteorology
 Special topics, A-Z -- Continued
 973.4.C4 Chorus. Dawn chorus
 973.4.I6 Ionospheric radio waves
 Including absorption, propagation, etc.
 973.4.M33 Magnetospheric radio waves
 Radio auroras see QC972.5.R3
 973.4.R3 Radio noise
 973.4.R35 Radio refractivity
 Sferics see QC973.4.A85
 973.4.T76 Tropospheric radio waves
 Including absorption, propagation, etc.
 973.4.V2 VLF emissions, propagation, etc.
 973.4.W5 Whistlers
 Radar meteorology
 973.45 Periodicals, societies, congresses, serial publications
 973.5 General works, treatises, and textbooks
 973.6 Addresses, essays, lectures
 Radar stations
 973.62.A1 General works
 973.62.A2-Z By region or country, A-Z
 973.7 Instruments and apparatus
 Including rawinsondes
 973.8.A-Z Special topics, A-Z
 973.8.E3 Echoes
 973.8.R4 Refraction
 973.8.W4 Weather radar networks
 Meteorological optics
 974.5 Periodicals, societies, congresses, serial publications
 974.6 Collected works (nonserial)
 General works, treatises, and textbooks
 975 1801-1969
 975.2 1970-
 975.3 Juvenile literature
 975.6 Addresses, essays, lectures
 975.8 Handbooks, tables, formulas, etc.
 Observations
 975.9.A1 General works, treatises, and textbooks
 975.9.A2-Z By region or country, A-Z
 976.A-Z Special topics, A-Z
 976.A3 Airglow
 976.C6 Coloration of the sky
 (976.C7) Counter glow
 see QB761
 Gegenschein see QB761
 976.H15 Halos

Meteorology. Climatology

Meteorological optics

Special topics, A-Z -- Continued

976.L36	Laser beam propagation
976.M6	Mirages
976.N5	Night sky
976.N6	Noctilucent clouds
976.P7	Polarization
976.R15	Rain band spectrum
976.R2	Rainbow
976.R4	Atmospheric refraction
976.S3	Scattering
976.T6	Transmission of the atmosphere
976.T7	Transparency of the atmosphere
976.T8	Turbidity
976.T9	Twilight phenomena
976.U4	Ultraviolet rays
976.V5	Visibility

Cf. TL557.V5 Aeronautical meteorology

Climatology and weather

Class here works on the composite generalization of weather conditions of specific geographic areas during a specific period of time with reference to average conditions and their variability

Cf. BF353 Psychological aspects

Cf. GF71 Human ecology

Cf. NA2541 Architecture and climate

Cf. QC884+ Paleoclimatology

Cf. QH543+ Bioclimatology

Cf. RA791+ Medical climatology

Cf. S600+ Agricultural climatology

Cf. TA198 Industry and weather

Cf. TH7015 Heating and ventilation

Cf. TL556+ Aviation climatology

980 Periodicals, societies, congresses, serial publications

980.15 Collected works (nonserial)

Dictionaries and encyclopedias see QC854

980.4 Classification of climate

Including indexes

Biography see QC858.A2+

981 General works, treatises, and textbooks

981.2 Popular works

981.3 Juvenile works

981.4 Addresses, essays, lectures

981.45 Special aspects of the subject as a whole

981.5 Study and teaching. Research

- Meteorology. Climatology
 Climatology and weather -- Continued
 981.6 Instruments and apparatus
 Including frigorimeters
 981.7.A-Z Special types of climatology, A-Z
 981.7.C7 Cryptoclimatology
 981.7.D94 Dynamic climatology
 981.7.M3 Macroclimatology
 981.7.M4 Mesoclimatology
 981.7.M5 Microclimatology
 Paleoclimatology see QC884+
 981.7.S8 Synoptic climatology
 981.7.T64 Topoclimatology
 981.7.U7 Urban climatology
 981.8.A-Z Special topics, A-Z
 981.8.A5 Air masses in weather situations
 Including cold and heat waves, etc.
 981.8.C5 Climatic changes
 Class here general works only
 981.8.C53 Climatic extremes
 Cold waves see QC981.8.A5
 981.8.C65 Continentality
 Droughts see QC929.2+
 Forest influences see SD425
 Glaciers and climate see QC981.8.I23
 981.8.G56 Global warming
 Heat waves see QC981.8.A5
 981.8.I23 Ice sheets and climate. Glaciers and climate
 981.8.S9 Sultriness
 981.8.V65 Volcano effect on weather
 981.8.Z6 Zones of climate
 Geographic divisions
 Including observations, weather reports, charts, etc., of
 special regions
 International observations
 General works
 982 International areas not wholly within the divisions
 982.5.A-Z below. By name, A-Z
 Columbia River Watershed
 Developing countries
 Great Britain's colonies
 Great Lakes Region
 Northern Hemisphere
 Southern Hemisphere
 982.5.S68 North America (General)
 982.8 United States
 General works
 983

	Meteorology. Climatology
	Climatology and weather
	Geographic divisions
	United States -- Continued
984.A-Z	By region or state, A-Z
	Subarrange each state by Table Q4
	Canada
985	General works
985.5.A-Z	By region or province, A-Z
	Subarrange each province by Table Q4
	Mexico and Central America
986.A1	General works
986.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	West Indies
987.A1	General works
987.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	South America
988.A1	General works
988.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	Europe
989.A1	General works
989.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	Asia
990.A1	General works
990.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	Africa
991.A1	General works
991.A3-Z	By country, island, or region, A-Z
	Subarrange each country or island by Table Q4
	Australia
992.A1	General works
992.A3-Z	Local, A-Z
	New Zealand
992.5.A1	General works
992.5.A3-Z	Local, A-Z
993.A-Z	Pacific and other oceanic islands. By island or group of islands, A-Z
993.5	Tropics (General). Tropical climatology and meteorology
993.6	Mountains (General). Mountain climatology and meteorology
993.7	Arid regions. Deserts (General). Arid zone climatology

Meteorology. Climatology

Climatology and weather

Geographic divisions -- Continued

Temperate zones. Temperate climate

For works on temperate climate in specific geographic regions, see QC982-QC994.9, Land; QC994.1-QC994.9, Oceans

993.75

General works

993.8

Mediterranean climate (General)

Class here works on Mediterranean climate regions in general. For works on Mediterranean climate in specific geographic regions, see QC983-QC993; QC994.3

Ocean areas. Maritime meteorology

Cf. GC190+ Ocean-atmosphere interaction

Cf. VK570 Ship routing

993.83

Periodicals, societies, congresses, serial publications

993.84

Observers' manuals. Handbooks, tables, formulas, etc.

Weather services see QC875.A2+

994

General works, treatises, and textbooks

By region

994.1

Atlantic Ocean (General)

994.2

Atlantic, North

994.3

Mediterranean Sea

994.4

Atlantic, South

994.5

Indian Ocean

994.55

Pacific Ocean (General)

994.6

Pacific, North

994.7

Pacific, South

Polar climatology and meteorology

994.75

General works

994.8

Arctic

994.9

Antarctic

Weather forecasting

Including analyses and forecasts

Cf. QC875.A2+ Weather services

Cf. QC877.5 Weather broadcasting

994.95

Periodicals, societies, congresses, serial publications

995

General works, treatises, and textbooks

995.3

Pictorial works and atlases

995.4

Popular works

995.43

Juvenile works

995.45

Addresses, essays, lectures

995.46

Study and teaching. Research

Technique (General)

Including graphical technique

995.48

General works

QC

	Meteorology. Climatology
	Climatology and weather
	Weather forecasting
	Technique (General) -- Continued
995.485	Observers' manuals
	Types of weather forecasting
	Hydrodynamic
995.5	General works
996	Numerical
996.5	Statistical
997	Long-range
997.5	Short-range
997.75	Nowcasting
998	Weather lore
	Cf. GR635+ Weather lore (as folklore)
999	Weather almanacs and miscellany

Chemistry

For applications of chemistry in special fields, see the field, e.g.

RS402+ Medical and pharmaceutical chemistry; S583+

Agricultural chemistry

For chemical technology, including chemical engineering see

TP1+

- 1 Periodicals, societies, congresses, serial publications
- Museums
- 2.A1 General works
- 2.A2-Z By region or country, A-Z
 - Subarrange each country by Table Q5
- 3 Collected works (nonserial)
- 4 Encyclopedias
- 5 Dictionaries
- 6 Philosophy
- 7 Nomenclature, terminology, notation, abbreviations
- Communication of chemical information
- 8 General works
- 8.3 Information services
- 8.5 Chemical literature
- 9 Abstracting and indexing
- 9.15 Language. Authorship
- 9.2 Translating. Translating services
- 9.3 Computer network resources
 - Including the Internet
- History
- 11 General works
- 13 History of alchemy
- 14 Early works through 1800
- 15 1801-
- 18.A-Z By region or country, A-Z
- 20 Women in chemistry. Women chemists
 - For biography see QD21+
- Biography of chemists
 - Cf. QD24.A2+ Alchemists
 - Cf. QD903.5+ Crystallographers
- 21 Collective
- 22.A-Z Individual, A-Z
 - e.g.
 - Curie, Marie and Pierre
- 22.C8 Directories
- 23 Alchemy
 - Cf. BR115.A57 Alchemy and Christianity
- 23.3 Periodicals, societies, congresses, serial publications
- 23.4 Collected works (nonserial)
- 23.5 Dictionaries and encyclopedias
- History see QD13

	Alchemy -- Continued
	Biography
24.A2	Collective
24.A3-Z	Individual, A-Z
25	Early works through 1800
26	General works, treatises, and textbooks
26.5.A-Z	Special topics, A-Z
26.5.A4	Alkahest. Universal solvent
26.5.E4	Elixir of life
	Philosopher's stone see QD25
27	Early works through 1761
	General works, treatises, and advanced textbooks
28	1761-1860
31	1861-1969
31.2	1970-2000
31.3	2001-
	Elementary textbooks
33	To 2000
33.2	2001-
35	Juvenile works
37	Popular works
38	Recreations, home experiments, etc.
39	Addresses, essays, lectures
39.2	Special aspects of the subject as a whole
39.3.A-Z	Special topics, A-Z
39.3.C6	Computer programs
39.3.E4	Electromechanical analogies
39.3.E46	Electronic data processing. Cheminformatics
	Cf. RS418 Pharmaceutical chemistry
39.3.F33	Factor analysis
39.3.G73	Graph theory
39.3.M3	Mathematics
39.3.P45	Phlogiston
39.3.S55	Simulated annealing
39.3.S67	Spreadsheets
39.3.S7	Statistical methods
39.3.W37	Water
39.5	Chemistry as a profession. Vocational guidance
39.7	Social aspects
	Study and teaching. Research
40	General works
41	Outlines, syllabi
42	Problems, exercises, examinations
	For programmed textbooks see QD28+
43	Experiments
	Cf. QD38 Home experiments
45	Laboratory manuals

Study and teaching. Research -- Continued

By region or country

United States

47

General works

47.5.A-Z

By region or state, A-Z

Subarrange each state by Table Q7

49.A-Z

Other regions or countries, A-Z

Subarrange each country by Table Q7

Special teaching methods and aids

49.5

General works

49.6.A-Z

Special methods, A-Z

49.6.P76

Process oriented guided inquiry learning

Laboratories

51

General works

51.5.A-Z

By region or country, A-Z

Subarrange each country by Table Q6

Instruments and apparatus

53

General works

54.A-Z

Special, A-Z

54.A3

Absorption apparatus

54.C4

Centrifuges

54.E8

Eudiometer

54.F85

Fume hoods

54.P5

Pipettes

54.S8

Sulfuric acid concentrator

54.T4

Thermostat

Techniques and operations

61

General works

63.A-Z

Special, A-Z

Cf. QD258+ Operations in organic chemistry

63.D5

Dissolution

63.D6

Distillation

Electric furnace operations (Inorganic chemistry) see
QD157Electric furnace operations (Organic chemistry) see
QD277

63.E83

Exchange reactions

63.E88

Extraction

63.F5

Filtration

63.G5

Glass manipulation

63.H87

Hydration

63.H9

Hydrogenation

63.I55

Ion exchange

63.L3

Laser techniques

63.M3

Masking

63.N5

Nitration

63.O9

Oxidation

QD

- Laboratories
 - Techniques and operations
 - Special, A-Z -- Continued
 - 63.P4 Percolation
 - 63.R4 Reduction
 - 63.S4 Separation
 - 63.V33 Vacuum techniques
 - 63.5 Safety measures
 - 64 Waste disposal
 - 65 Handbooks, tables, formulas, etc.
Catalogs, pricelists, etc. see TP202
- Analytical chemistry
 - For the analysis of special elements and their compounds
see QD181.A+
 - For the analysis of organic compounds see QD271+
 - Cf. QE516.3 Analytical geochemistry
- 71 Periodicals, societies, congresses, serial publications
- 71.2 Collected works (nonserial)
- 71.5 Dictionaries and encyclopedias
- 71.8 Nomenclature, terminology, notation, abbreviations
- History
- 72 General works
- 72.5.A-Z By region or country, A-Z
- General works, treatises, and textbooks
- 75 Through 1970
- 75.2 1971-2000
- 75.22 2001-
- 75.25 Addresses, essays, lectures
- 75.3 Special aspects of the subject as a whole
- 75.4.A-Z Special topics, A-Z
 - 75.4.A8 Automation
 - 75.4.C34 Calibration
 - 75.4.C45 Chemometrics
 - 75.4.E4 Electronic data processing
 - 75.4.K54 Forensic chemistry see RA1057
 - (75.4.M36) Kinetics
 - (75.4.M4) Mathematics
see QD75.4.C45
 - Measurement
see QD75.4.C45
 - Preparation of samples see QD75.4.S24
 - 75.4.Q34 Quality control
 - 75.4.S24 Sample introduction see QD75.4.S24
 - 75.4.S25 Sample preparation. Sample introduction
 - 75.4.S73 Sampling
 - Stable isotopes

- Analytical chemistry
Special topics, A-Z -- Continued
(75.4.S8) Statistical methods
see QD75.4.C45
75.4.U48 Ultrasonic waves
Study and teaching. Research
75.7 General works
75.9 Problems, exercises, examinations
76 Laboratory manuals
77 Reagents, indicators, test papers, etc.
78 Handbooks, tables, formulas, etc.
79.A-Z Methods of analysis (Qualitative and quantitative), A-Z
Chemical microscopy see QH221
Chromatographic analysis
79.C4 General works
79.C45 Gas chromatography
79.C453 Ion exchange chromatography
79.C4537 Ligand exchange chromatography
79.C454 Liquid chromatography
79.C46 Paper chromatography
79.C52 Preparative layer chromatography
79.C75 Radiochromatography
79.C8 Thin layer chromatography
79.E4 Electron diffraction
79.E44 Electrophoresis
79.F4 Fluorimetry
79.I5 Instrumental analysis
79.M5 Microchemical analysis
Molecular emission cavity analysis see QD79.P4
79.O8 Oximetry
79.P4 Phosphorimetry. Molecular emission cavity analysis
79.P46 Photometry
Radiochemical analysis see QD605+
79.S4 Sedimentation analysis
Spectrum analysis see QD95+
79.T38 Thermal analysis
79.T4 Thermogravimetry
Qualitative analysis
General works, treatises, and advanced textbooks
81 Elementary textbooks
83 Laboratory manuals
84 Tables, outlines, etc.
85 Blowpipe analysis
87 Cf. QE367+ Determinative mineralogy

Analytical chemistry

Qualitative analysis -- Continued

Spectrum analysis (Qualitative and quantitative)

Class here works on the applications of spectroscopy in general analytical chemistry and theoretical works intended primarily for chemists.

For general works on the theory of spectroscopy and works intended primarily for physicists see QC450+

For compilations of spectra of elements, groups of elements, organic and inorganic compounds see QC462+

For works on the applications of spectroscopy in organic analytical chemistry see QD272.S6

Cf. CC79.S65 Spectrum analysis in archaeology

95

General works

95.5.A-Z

Special topics, A-Z

95.5.D37

Data processing

95.5.S72

Statistical methods

96.A-Z

Special methods and types of spectra, A-Z

96.A2

Absorption spectra

Including cavity-ringdown spectroscopy

96.A7

Arc spectra

96.A8

Atomic spectra

Cavity-ringdown spectroscopy see QD96.A2

96.D48

Deuteron magnetic resonance spectroscopy

96.E4

Electron paramagnetic resonance spectroscopy

96.E44

Electron spectroscopy

96.E46

Emission spectroscopy

96.F5

Flame spectroscopy

96.F56

Fluorescence spectroscopy

96.F68

Fourier transform spectroscopy

Cf. QD96.I5 Fourier transform infrared spectroscopy

Cf. QD96.N8 Fourier transform nuclear magnetic resonance spectroscopy

96.I47

Inductively coupled plasma spectrometry

Class here works on all types of spectrum analytical methods using inductively coupled plasmas

96.I5

Infrared spectroscopy

Including Fourier transform infrared spectroscopy

96.I54

Ion cyclotron resonance spectroscopy

Ion mobility spectroscopy see QD96.P62

96.L3

Laser spectroscopy

96.L85

Luminescence spectroscopy

96.M3

Mass spectroscopy

96.M33

Matrix isolation spectroscopy

96.M5

Microwave spectroscopy

Analytical chemistry

Qualitative analysis

Spectrum analysis (Qualitative and quantitative)

Special methods and types of spectra, A-Z -- Continued

- 96.M6 Mössbauer spectroscopy
96.M65 Molecular spectra
96.N8 Nuclear magnetic resonance spectroscopy
Including Fourier transform nuclear magnetic resonance spectroscopy
96.N84 Nuclear quadrupole resonance spectroscopy
96.O6 Optoacoustic spectroscopy
96.P5 Photoelectron spectroscopy
96.P54 Photothermal spectroscopy
96.P62 Plasma spectroscopy
Including ion mobility spectroscopy
Cf. QD96.I47 Inductively coupled plasma spectrometry
96.P7 Proton magnetic resonance spectroscopy
96.R3 Radiofrequency spectroscopy
96.R34 Raman spectroscopy
96.R4 Reflectance spectroscopy
96.R44 Relaxation spectroscopy
96.S43 Secondary ion mass spectroscopy
96.U4 Ultraviolet spectroscopy
96.V53 Vibrational spectra
96.X2 X-ray spectroscopy
98.A-Z Other special methods, A-Z
98.C4 Chromatography
98.E4 Electron microprobe
98.K5 Kinetic analysis
98.M5 Microchemical analysis
98.S6 Spot tests
- Quantitative analysis
General works, treatises, and textbooks
101 Through 1970
101.2 1971-
111 Volumetric analysis
113 Colorimetric analysis
Electrochemical analysis
115 General works
116.A-Z Special methods, A-Z
116.C65 Conductometric analysis
116.I57 Impedance spectroscopy
116.P64 Polarography
116.P68 Potentiometry
116.V64 Voltammetry
117.A-Z Other special methods, A-Z

Analytical chemistry

Quantitative analysis

Other special methods, A-Z -- Continued

- 117.C5-.C52 Chromatography
- 117.C5 General works
- 117.C515 Gas chromatography
- 117.C517 Liquid chromatography
- 117.C52 Thin layer chromatography
- 117.E4 Electron diffraction
- 117.E42 Electron microprobe. Electron probe microanalysis
- 117.E45 Electrophoresis
- 117.F5 Fluorimetry
- 117.M5 Microchemical analysis. Microchemistry
- 117.P5 Photometry
- 117.R3 Radiometry. Radiation measurement
- 117.S64 Spectrophotometry
- Spectrum analysis see QD95+
- 117.T4 Thermal analysis
- 121 Gas analysis
 - Including air analysis
 - Cf. TP754 Analysis, tests, etc. in the gas industry
- Technical analysis
- 130 Periodicals, societies, congresses, serial publications
- 131 General works, treatises, and textbooks
- Metals
- 132 General works
- Assaying see TN550+
- 133 Iron and steel alloys
- Alloys (General). Nonferrous alloys
- 135 General works
- 137.A-Z Special metal alloys, A-Z
 - For the analysis of metallic elements see QD181.A+
- 137.A6 Aluminum alloys
- 137.A8 Arsenic alloys
- 137.B3 Babbitt metal
- 137.C5 Chromium-iron-nickel alloys
- 137.C6 Copper alloys
- 137.F35 Ferrites (Magnetic materials)
- 137.F38 Ferroboron
- 137.F4 Ferrochromium
- 137.F44 Ferroniobium
- 137.F48 Ferrotungsten
- 137.G6 Gold alloys
- Iron alloys (General) see QD133
- 137.M3 Magnesium alloys
- 137.N5 Nickel alloys

- Analytical chemistry
Technical analysis
Metals
Alloys (General). Nonferrous alloys
Special metal alloys, A-Z -- Continued
137.S5 Silver alloys
Steel alloys see QD133
137.U73 Uranium alloys
137.Z5 Zinc alloys
139.A-Z Other special, A-Z
Air see QD121
Air pollution see TD890
Carbonated beverages see TP628+
Cement see TP882.3
Ceramics see TP810
139.C53 Cigarette smoke
Clay see TP811
Distilled beverages see TP609
139.E4 Electrolytes
Fats, oils, and waxes see TP671
Fermentation industries see TP511
Food see TX545
Gas see QD121
Gas industry see TP754
139.G5 Glass
Materials (General) see QD130+
Oils, fats, and waxes see TP671
Oils (Petroleum) see TP691
Plastics see TP1140
139.P6 Polymers
139.S44 Semiconductors
Sewage see TD735
139.S5 Silicon organic compounds
(139.T5) Textiles
see TS1449
139.T7 Trace elements
Water see QD142
Water supply see TD380+
Wine see TP548.5.A5
142 Water analysis
Cf. TD380+ Water supply
Inorganic chemistry
Cf. QD475 Physical inorganic chemistry
Cf. QE351+ Mineralogy
146 Periodicals, societies, congresses, serial publications
147 Collected works (nonserial)
148 Dictionaries and encyclopedias

Inorganic chemistry -- Continued

- 149 Nomenclature, terminology, notation, abbreviations
- History
- 149.5 General works
- 149.7.A-Z By region or country, A-Z
- 150 Early works through 1800
- General works, treatises, and advanced textbooks
- 151 1801-1969
- 151.2 1970-2000
- 151.3 2001-
- 151.5 Elementary textbooks
- 152 Addresses, essays, lectures
- 152.3 Special aspects of the subject as a whole
- 152.5.A-Z Special topics, A-Z
- 152.5.D46 Density functionals
- 152.5.M38 Mathematics
- Reaction mechanisms see QD502.5
- Study and teaching. Research
- 153 General works
- 153.5 Outlines, syllabi, etc
- 154 Problems, exercises, examinations
- 155 Laboratory manuals
- 155.5 Handbooks, tables, formulas, etc.
- 156 Inorganic synthesis
- 157 Electric furnace operations
 - Cf. QD277 Electric furnace operations (Organic)
- Nonmetals
- 161 General works
- 162 Gases
- 163 Chemistry of the air
 - Cf. TD881+ Air pollution
- 165 Halogens: Bromine, chlorine, fluorine, iodine
- 167 Inorganic acids
 - Cf. QD477 General theory of acids and bases
- 169.A-Z Other, A-Z
- 169.C5 Chalcogenides
- Heavy water see QD169.W3
- 169.W3 Water
 - Cf. GB855+ Natural water chemistry
- Metals
- Cf. TN600+ Metallurgy
- 171 General works, treatises, and textbooks
- 172.A-Z By group, A-Z
- 172.A3 Actinide elements
- 172.A4 Alkali metals
- 172.A42 Alkaline earth metals
- 172.I7 Iron group

	Inorganic chemistry
	Metals
	By group, A-Z -- Continued
172.M4	Magnesium group
172.P8	Platinum group
172.P88	Precious metals
172.R2	Rare earth metals
172.S6	Spinel group
172.S93	Superheavy elements
	Cf. QC796.2 Nuclear physics
172.T52	Titanium group
172.T6	Transition metals
172.T65	Transplutonium elements
172.T7	Transuranium elements
181.A-Z	Special elements. By chemical symbol, A-Z (Table Q1)
	Class here works on the origin, properties, preparation, reactions, isotopes, and analytical chemistry of individual elements and their inorganic compounds.
	For the determination of atomic and molecular weights see QD464.A+
	Salts
189	General works
191	Double salts
193	Complex salts
194	Oxysalts
196	Inorganic polymers and polymerization
197	Cyclic compounds
	Organic chemistry
	Cf. QD476 Physical organic chemistry
	Cf. QD478 Solids. Solid state chemistry (Inorganic and organic)
241	Periodicals, societies, congresses, serial collections
(243)	Yearbooks
	see QD241
245	Collected works (nonserial)
246	Dictionaries and encyclopedias
	History
248	General works
248.5.A-Z	By region or country, A-Z
	General works, treatises, and advanced textbooks
251	Through 1970
251.2	1971-2000
251.3	2001-
	Elementary textbooks
253	To 2000
253.2	2001-

QD

Organic chemistry -- Continued

Nomenclature, terminology, notation, abbreviations see
QD291

254

Classification

255

Addresses, essays, lectures

255.4

Special aspects of the subject as a whole

255.5.A-Z

Special topics, A-Z

255.5.E4

Electronic data processing

255.5.M35

Mathematics

255.5.R33

Radiation effects

Reaction mechanisms see QD502.5

Study and teaching. Research

256

General works

256.5

Outlines, syllabi

257

Problems, exercises, examinations

257.5

Experiments

257.7

Handbooks, tables, formulas, etc.

Operations in organic chemistry

258

General works

261

Laboratory manuals

262

Organic synthesis

Including general works on combinatorial chemistry

For works on pharmaceutical aspects of combinatorial
chemistry see RS419

Organic analysis

Class here general works on the analysis of organic
compoundsFor the analysis of specific organic compounds or groups of
compounds, see QD301For works on the analysis of both organic and inorganic
compounds see QD71+

271.A1

Periodicals, societies, congresses, serial publications

271.A2-Z

General works, treatises, and textbooks

Reagents, indicators, test papers, etc.

271.3

General works

271.35.A-Z

Special topics, A-Z

271.35.E54

Electrophiles. Superelectrophiles

271.4

Qualitative analysis

Prefer QD272 for special methods in qualitative analysis

271.7

Quantitative analysis

Prefer QD272 for special methods in quantitative analysis

272.A-Z

Special methods of analysis (Qualitative and
quantitative), A-Z

Chromatography

272.C4

General works

272.C44

Gas chromatography

272.C444

Gel permeation chromatography

- Organic chemistry
 - Operations in organic chemistry
 - Organic analysis
 - Special methods of analysis (Qualitative and quantitative), A-Z
 - Chromatography -- Continued
 - 272.C447 Liquid chromatography
 - 272.C45 Thin layer chromatography
 - 272.C6 Colorimetric analysis
 - 272.E4 Electrochemical analysis
 - 272.E43 Electrophoresis
 - 272.E5 Enzymatic analysis
 - 272.M5 Microchemical analysis
 - 272.P5 Photometry
 - 272.S57 Spectrophotometry
 - 272.S6 Spectrum analysis
 - Works on the application of spectroscopy in general or inorganic analytical chemistry are classed in QD95
 - For compilations of spectra see QC462+
 - 272.T45 Thermal analysis
 - 272.V6 Volumetric analysis
- 273 Electrochemistry of organic compounds
 - Cf. QP517.B53 Bioelectrochemistry
- 275 Organic photochemistry
 - Cf. QP517.P45 Photobiochemistry
- 277 Electric furnace operations
- 281.A-Z Other special, A-Z
 - 281.A2 Acylation
 - 281.A5 Alkylation
 - 281.A6 Amination
 - 281.A63 Ammonolysis
 - 281.B7 Bromination
 - 281.C3 Catalysis
 - 281.C5 Chlorination
 - 281.C7 Condensation
 - Cyclization see QD281.R5
 - 281.D4 Dehydrogenation
 - 281.D47 Dialysis
 - 281.D5 Distillation
 - 281.E4 Elimination reactions
 - 281.F5 Flotation
 - 281.F55 Fluorination
 - 281.F7 Fragmentation reactions
 - 281.H3 Halogenation
 - 281.H78 Hydroboration
 - 281.H79 Hydroformylation
 - 281.H8 Hydrogenation

- Organic chemistry
 - Operations in organic chemistry
 - Other special, A-Z -- Continued
 - 281.H83 Hydrolysis
 - 281.H84 Hydrosilylation
 - 281.H85 Hydroxylation
 - 281.I7 Isotopic exchange reactions
 - 281.M48 Methylation
 - 281.N5 Nitration
 - 281.O9 Oxidation
 - 281.O95 Ozonolysis. Ozonization
 - 281.P46 Phosphorylation
 - 281.P6 Polymerization. Telomerization
 - 281.P9 Pyrolysis
 - 281.Q5 Quinoidation
 - 281.R35 Rearrangement reactions. Rearrangements
 - 281.R4 Reduction
 - 281.R5 Ring formation
 - Including ring breaking, enlargement, and closure, and ring-opening polymerization
 - 281.S5 Silylation
 - 281.S6 Solvolysis
 - 281.S67 Substitution reactions
 - 281.S7 Sulfonation
 - Telomerization see QD281.P6
- 291 Nomenclature, terminology, notation, abbreviations
- Aliphatic compounds
 - 300 Periodicals, societies, congresses, serial publications
 - 301 General works, treatises, and textbooks
 - 302 Special aspects of the subject as a whole
 - 305.A-Z Special groups, A-Z
 - Including works on both aliphatic and aromatic aspects of functional groups
 - For works on special groups of aromatic compounds only see QD341.A+
 - 305.A2 Acids and esters
 - 305.A4 Alcohols
 - 305.A6 Aldehydes and other carbonyl compounds
 - For ketones see QD305.K2
 - 305.A7 Amides and hydrazides
 - Cf. QD315 Urea
 - Amino acids see QD431+
 - 305.A8 Amino compounds
 - 305.A9 Azo, hydrazo, and diazo compounds
 - 305.C3 Carbanions and carbonium ions, free radicals, ylides
 - 305.E7 Ethers and oxides

- Organic chemistry
Aliphatic compounds
Special groups, A-Z -- Continued
305.F2 Fats and fatty oils
Cf. QP751+ Animal biochemistry
Cf. TP669+ Chemical technology
Free radicals see QD305.C3
Glycols see QD305.A4
305.H15 Halogen compounds
Hydrocarbons
305.H5 General works
305.H6 Alkanes (Paraffins)
305.H7 Alkenes (Olefins)
305.H8 Alkynes (Acetylene, etc.)
305.H9 Alicyclic compounds (Non-aromatic compounds with
ring structure)
305.I6 Imides, imidoesters, etc.
305.K2 Ketones, ketenes, and oximes
305.N7 Nitriles and cyanogen derivatives
305.N8 Nitro and nitroso compounds
305.N84 Nitrogen derivatives (General)
305.P46 Phosphorus derivatives (General)
Radicals see QD305.C3
305.S54 Silicon compounds
305.S83 Sulfones
305.S84 Sulfur derivatives (General)
305.T45 Thio compounds
Ylides see QD305.C3
315 Urea and related compounds
Cf. QP801.U7 Animal biochemistry
Carbohydrates
Including sugars, starch, etc.
Cf. QP701+ Animal biochemistry
Cf. TP375+ Sugar manufacture
Cf. TP415+ Starch
320 Periodicals, societies, congresses, serial publications
321 General works, treatises, and textbooks
322.A-Z Special topics, A-Z
322.A52 Analysis
322.S95 Synthesis
323 Cellulose
Including hemicellulose
325 Glycosides
Including glucosides, mannosides, and galactosides
327 Tannins

Organic chemistry -- Continued

Aromatic compounds

Cf. QD390+ Condensed benzene rings

Cf. QD399+ Heterocyclic compounds

- 330 Periodicals, societies, congresses, serial publications
 - 331 General works, treatises, and textbooks
 - 335 Special aspects of the subject as a whole
 - 341.A-Z Special groups, A-Z
 - 341.A2 Acids and esters
 - 341.A4 Alcohols
 - 341.A6 Aldehydes and other carbonyl compounds
 - For ketones see QD341.K2
 - 341.A7 Amides and hydrazides
 - Amino acids see QD431+
 - 341.A8 Amino compounds
 - 341.A83 Annulenes
 - 341.A9 Azo, hydrazo, and diazo compounds
 - 341.E7 Benzene see QD341.H9
 - 341.E7 Ethers and oxides
 - 341.H8 Halogen compounds
 - 341.H9 Hydrocarbons, benzene, etc.
 - 341.I6 Imino compounds
 - 341.K2 Ketones
 - 341.N7 Nitriles and cyanogen derivatives
 - 341.N8 Nitro and nitroso compounds
 - 341.N83 Nitrogen derivatives (General)
 - 341.P5 Phenols
 - 341.P6 Pseudophenols
 - 341.Q4 Quinones
 - 341.S3 Sulfur derivatives (General)
 - 341.S6 Sulfoxides and sulfones
 - 341.S8 Sulfonium compounds
- Antibiotics
- Cf. QP801.A63 Animal biochemistry
 - Cf. RM265+ Therapeutics
 - 375 General works, treatises, and textbooks
 - 377.A-Z Special substances, A-Z
 - 377.C4 Cephalosporin
 - 377.C5 Chloromycetin
 - 377.P4 Penicillin
 - 377.P55 Pimaricin
 - 377.S8 Streptomycin
 - 377.S85 Streptothricin
 - 377.T45 Tetracycline
 - 377.V5 Viomycin

Organic chemistry -- Continued

Polymers. Macromolecules

Class here general works on chemical and physical properties of polymers

For works on physical properties see QC173.4.P65

Cf. QD139.P6 Technical analysis

Cf. QD196 Inorganic polymers

Cf. QD281.P6 Polymerization (Organic chemistry)

Cf. QD399+ Macrocyclic compounds

Cf. TP156.P6 Polymerization (Chemical engineering)

Cf. TP1080+ Polymer technology

380 Periodicals, societies, congresses, serial publications

380.3 Dictionaries and encyclopedias

380.6 Nomenclature, terminology, notation, abbreviations

380.7 Classification

381 General works, treatises, and textbooks

381.3 Juvenile works

381.7 Addresses, essays, lectures

381.8 Special aspects of the subject as a whole

381.9.A-Z Special topics, A-Z

381.9.A25 Acoustic properties

381.9.C64 Conformational analysis

381.9.D47 Deterioration

381.9.E38 Electric properties

381.9.E4 Electronic data processing

Fractionation see QD381.9.S44

381.9.M3 Mathematical models

381.9.M64 Molecular weights

381.9.O66 Optical properties

381.9.P45 Permeability

381.9.P56 Photochemistry

381.9.R3 Radiation effects

381.9.R43 Reduced gravity effects

381.9.R48 Rheology

Ring-opening polymerization see QD281.R5

381.9.S44 Separation. Fractionation

381.9.S65 Solubility and solutions

381.9.S87 Structure

381.9.S97 Surfaces and interfaces

381.9.T54 Thermal properties

382.A-Z Special types, A-Z

382.B47 Biomimetic polymers

382.B5 Block copolymers

382.C66 Conducting polymers. Conjugated polymers

Conjugated polymers see QD382.C66

382.C67 Coordination polymers

Crosslinked polymers see QD382.P67

QD

- Organic chemistry
Polymers. Macromolecules
Special types, A-Z -- Continued
- 382.C78 Crystalline polymers
382.E48 Emulsion polymers
382.F55 Fluorescent polymers
382.G7 Graft copolymers
382.H4 Heat-resistant polymers
382.H48 Heterochain polymers
382.I43 Imprinted polymers
382.I45 Ionomers
382.O43 Oligomers
Photochromic polymers see QD382.P45
382.P45 Photopolymers. Photochromic polymers
382.P64 Polyelectrolytes
Including polyampholytes
Polymer colloids see QD549.2.P64
Polymer liquid crystals see QD923
382.P67 Polymer networks. Crosslinked polymers
382.R43 Reactive polymers
382.S4 Semiconductors
382.T44 Telechelic polymers
382.W3 Water-soluble polymers
383.A-Z Special substances, A-Z
383.A27 Acrylic polymers
383.A55 Amine polymers
383.A95 Azo polymers
383.B67 Boron organic polymers
383.E66 Epoxy polymers
383.F48 Fluoropolymers
383.F84 Fullerene polymers
383.G57 Glutamic acid polymers
Methacrylate polymers see QD383.A27
383.S54 Silicon polymers
383.V56 Vinyl polymers
385 Laboratory manuals
388 Handbooks, tables, formulas, etc.
- Condensed benzene rings
390 General works, treatises, and textbooks
390.3 Special aspects of the subject as a whole
391 Naphthalene and naphthalene derivatives
393 Anthracene and anthracene derivatives
395 Phenanthrene and phenanthrene derivatives
- Heterocyclic and macrocyclic chemistry and compounds
399 Periodicals, societies, congresses, serial publications
400 General works, treatises, and textbooks
400.3 Special aspects of the subject as a whole

- Organic chemistry
Heterocyclic and macrocyclic chemistry and compounds --
Continued
- 400.5.A-Z Special topics, A-Z
400.5.S95 Synthesis
401 Cyclic compounds containing N
403 Cyclic compounds containing S
405 Cyclic compounds containing O
406 Cyclic compounds containing P
- Organometallic chemistry and compounds
Cf. QD882 Supramolecular organometallic chemistry
- 410 Periodicals, societies, congresses, serial publications
411 General works, treatises, and textbooks
411.5 Addresses, essays, lectures
411.7.A-Z Special topics, A-Z
411.7.A53 Analysis
411.7.B37 Barbier reactions
411.7.S94 Synthesis
411.7.T47 Thermal properties
411.8.A-Z Special groups of substances, A-Z
411.8.A47 Alkoxides
Including aryloxides
411.8.R37 Rare earth metals
411.8.T73 Transition metals
412.A-Z Special compounds. By chemical symbol of added
element, A-Z (Table Q1)
412.5 Handbooks, tables, formulas, etc.
- Biochemistry
Class here works on chemical aspects of biological materials
Cf. QD476.2 Physical biochemistry
Cf. QH345 General biochemistry of plants and animals
Cf. QK861+ Plant biochemistry
Cf. QP501+ Animal biochemistry
- 415.A1 Periodicals, societies, congresses, serial publications
415.A2 Collected works (nonserial)
415.A25 Dictionaries and encyclopedias
415.A3-Z General works, treatises, and textbooks
415.2 Addresses, essays, lectures
415.3 Problems, exercises, examinations
415.5 Laboratory manuals
415.7 Handbooks, tables, formulas, etc.
Antibiotics see QD375+
Terpenes, camphors, etc. Essential oils
Cf. TP958+ Essences (Chemical technology)
- 416.A1 Periodicals, societies, congresses, serial publications
416.A3-Z General works, treatises, and textbooks
416.2 Addresses, essays, lectures

Organic chemistry

Biochemistry

Terpenes, camphors, etc. Essential oils -- Continued

416.3 Problems, exercises, examinations

416.5 Laboratory manuals

416.7 Handbooks, tables, formulas, etc.

Gums and resins

Cf. TP977+ Chemical technology

Cf. TP1101+ Plastic materials for synthetic gums and resins

419.A1 Periodicals, societies, congresses, serial publications

419.A3-Z General works, treatises, and textbooks

419.2 Addresses, essays, lectures

419.3 Problems, exercises, examinations

419.5 Laboratory manuals

419.7 Handbooks, tables, formulas, etc.

Alkaloids

Cf. QK898.A4 Plant constituent

Cf. RM666.A4 Therapeutics

Cf. RS431.A53 Pharmaceutical chemistry

421.A1 Periodicals, societies, congresses, serial publications

421.A3-Z General works, treatises, and textbooks

421.2 Addresses, essays, lectures

421.3 Problems, exercises, examinations

421.5 Laboratory manuals

421.7 Handbooks, tables, formulas, etc.

Steroids

Cf. QP752.S7 Animal biochemistry

Cf. RS163.S8 Materia medica

426.A1 Periodicals, societies, congresses, serial publications

426.A3-Z General works, treatises, and textbooks

426.2 Addresses, essays, lectures

426.3 Problems, exercises, examinations

426.5 Laboratory manuals

426.7 Handbooks, tables, formulas, etc.

Proteins, peptides, amino acids, etc.

Cf. QP551+ Animal biochemistry

Cf. TX553.P7 Special constituents of food

431.A1 Periodicals, societies, congresses, serial publications

431.A3-Z General works, treatises, and textbooks

431.2 Addresses, essays, lectures

431.25.A-Z Special topics, A-Z

431.25.A53 Analysis

431.25.D47 Derivatives

431.25.S85 Structure

431.25.S93 Synthesis

431.3 Problems, exercises, examinations

Organic chemistry

Biochemistry

Proteins, peptides, amino acids, etc. -- Continued

431.5

Laboratory manuals

431.7

Handbooks, tables, formulas, etc.

Nucleic acids

433.A1

Periodicals, societies, congresses, serial publications

433.A3-Z

General works, treatises, and textbooks

433.5.A-Z

Special topics, A-Z

433.5.S77

Structure

434

Ribonucleic acids

435

Deoxyribonucleic acids

436.A-Z

Other related substances, A-Z

436.N85

Nucleotides

441

Colored compounds

Including phthaleins, eosin, animal and plant pigments

Cf. QK899 Botany

Cf. QP670+ Animal biochemistry

Cf. TP909.2+ Chemical technology

Physical and theoretical chemistry

Cf. QC170+ Constitution and properties of matter

450

Periodicals, societies, congresses, serial publications

450.2

Collected works (nonserial)

451

Dictionaries and encyclopedias

451.5

Nomenclature, terminology, notation, abbreviations

History

452

General works

452.5.A-Z

By region or country, A-Z

General works, treatises, and textbooks

453

Through 1970

453.2

1971-2000

453.3

2001-

455

Addresses, essays, lectures

455.2

Special aspects of the subject as a whole

455.3.A-Z

Special topics, A-Z

455.3.C64

Computer simulation

455.3.E4

Electronic data processing

455.3.F73

Fractals

455.3.G7

Graphic methods

455.3.G75

Group theory

455.3.L53

Lie algebras

455.3.M3

Mathematics

455.3.T65

Topology

Study and teaching. Research

455.5

General works

455.7

Outlines, syllabi

456

Problems, exercises, examinations

- Physical and theoretical chemistry
- Study and teaching. Research -- Continued
- 457 Laboratory manuals
- 457.2 Computer-assisted instruction
- 458 Handbooks, tables, formulas, etc.
- 461 Atomic and molecular theory and structure. Laws of chemical combination and chemical bonds. Molecular dimensions
Cf. QD469 Valence
- 461.5 Excited state chemistry
- Quantum chemistry
- 462.A1 Periodicals, societies, congresses, serial publications
- 462.A3-Z General works, treatises, and textbooks
- 462.5 Addresses, essays, lectures
- 462.6.A-Z Special topics, A-Z
- 462.6.D38 Data processing
- 462.6.D45 Density functionals
- 462.6.D46 Density matrices
- 462.6.E53 Energy levels
- 462.6.M36 Many-body methods
- 462.6.M39 Mathematics
- 462.6.M66 Monte Carlo method
- 462.6.P68 Potential energy surfaces
- 462.6.R42 Relativistic effects
- 462.6.R44 Relaxation phenomena
- 462.6.S25 Scaling
- 462.6.S94 Symmetry groups
- 462.7 Problems, exercises, examinations
- 462.9 Handbooks, tables, formulas, etc.
- Atomic and molecular weights
- 463 General works, treatises, and textbooks
- 464.A-Z Individual elements and their compounds. By chemical symbol of principal element, A-Z (Table Q1)
- Chemical elements
- Nature and properties
- 466 General works
- 466.5 Isotopes
For isotopes of individual elements see QD181.A+
Cf. QD601+ Radiochemistry
Cf. TK9400+ Radioisotopes in nuclear engineering
- 467 Classification. Periodic law
- 469 Valence
Cf. QC176.8.V34 Valence fluctuations
- 470 Allotropy
- 471 Chemical compounds - Structure and formulas
Including isomerism, mesomerism, tautomerism
Cf. QD481 Stereochemistry

- Physical and theoretical chemistry -- Continued
- 473 Physical properties in relation to structure
Including odor, color, and optical properties
Cf. QD441 Colored organic compounds
Cf. QD931+ Physical properties of crystals
- 474 Complex compounds
Including clathrate and coordination compounds, chelates, and hydrates
Cf. QD410+ Organometallic compounds
- 475 Physical inorganic chemistry
- 476 Physical organic chemistry
- 476.2 Physical biochemistry
- 477 Acids and bases (General theory)
- 478 Solids. Solid state chemistry (Inorganic and organic)
Cf. QC176+ Solid state physics
Cf. QD506+ Surface chemistry
Cf. QD901+ Crystallography
Cf. TN689+ Physical metallurgy
- 480 Models of atoms, molecules, or chemical compounds
- 481 Stereochemistry. Molecular rotation
Cf. QP517.S83 Biochemistry
- Conditions and laws of chemical reactions
- 501 General works
Chemical kinetics and mechanisms
- 502 General works
- 502.2 Nonlinear chemical kinetics. Oscillating chemical reactions
- 502.5 Reaction mechanisms
Including inorganic and organic mechanisms
- 503 Chemical equilibrium. Phase rule, etc.
- 504 Thermodynamics
- 505 Catalysis
Cf. QD569 Electrocatalysis
Cf. QD716.P45 Photocatalysis
- 505.5 Chemical affinity and reactivity
- 505.8 Chemiluminescence
- Surface chemistry
- 506.A1 Periodicals, societies, congresses, serial publications
- 506.A3-Z General works, treatises, and textbooks
- 508 Addresses, essays, lectures
- 509.A-Z Special topics, A-Z
- 509.G37 Gas-solid interfaces
- 509.L54 Liquid-liquid interfaces
Liquid-solid interfaces see QD509.S65
- 509.M46 Metallic oxides
- 509.M65 Monomolecular films
- 509.S65 Solid-liquid interfaces

Physical and theoretical chemistry -- Continued

Thermochemistry

Cf. QC301+ Change of state (Physics)

Cf. QD79.T38 Thermal analysis (Analytical chemistry)

Cf. QD117.T4 Thermal analysis, Quantitative

Cf. QD157 Electric furnace operations (Inorganic chemistry)

Cf. QD277 Electric furnace operations (Organic chemistry)

510 Periodicals, societies, congresses, serial publications

511 General works, treatises, and textbooks

511.3 Addresses, essays, lectures

511.7 Problems, exercises, examinations

511.8 Handbooks, tables, formulas, etc.

515 Chemistry of high and low temperatures

516 Heat of formation, combustion, flame, explosion

Cf. TH9446.3+ Flammability of materials

Cf. TJ254.5+ Combustion engineering

517 Dissociation

518 Melting and boiling points

526 Fractional distillation

Cf. QD63.D6 Special operations in chemistry

Cf. QD281.D5 Operations in organic chemistry

Cf. TP156.D5 Chemical engineering processes

Cf. TP589+ Distilling industries

531 Manipulation of gases and vapors

Cf. TP242+ Chemical technology of gases

533 Vapor densities

535 Liquefaction of gases

Cf. TP243 Manufacture of liquefied gases

536 Research at low temperatures

Cf. TP480+ Low temperature engineering

538 Chemistry of high and low pressures

Theory of solution

Cf. QC182+ Special properties of matter

Cf. QD565 Electrolyte solutions

540 Periodicals, societies, congresses, serial publications

541 General works, treatises, and textbooks

543 Solubility, osmotic pressure, diffusion, etc.

Solvents

544 General works

544.3 Aqueous

544.5 Nonaqueous

Cf. TP247.5 Technology of organic solvents

545 Freezing points and vapor pressures

547 Flocculation, precipitation, adsorption, etc.

- Physical and theoretical chemistry
Theory of solution -- Continued
- 548 Supersaturated solutions. Crystallization, etc.
 Cf. QD921+ Crystal structure and growth
 Colloids, sols, gels
 Cf. QP525 Animal biochemistry
 Cf. S593.3 Soil colloids
- 549 General works
- 549.2.A-Z Special topics, A-Z
- 549.2.C64 Colloidal crystals
- 549.2.C66 Complex fluids
- 549.2.P64 Polymer colloids
- Electrochemistry. Electrolysis
 Cf. QC610.3+ Electric conductivity, electromotive force
 Cf. QD115+ Electrochemical analysis
 Cf. QD272.E4 Electrochemical analysis of organic
 compounds
 Cf. QD273 Electrochemistry of organic compounds
 Cf. QD880 Electrochemistry of supramolecular
 compounds
 Cf. QP517.B53 Bioelectrochemistry
 Cf. TP250+ Industrial electrochemistry
- 551 Periodicals, societies, congresses, serial publications
- 552 Collected works (nonserial)
- 552.5 Dictionaries and encyclopedias
- 553 General works, treatises, and textbooks
- 554 Popular works
- 554.5 Juvenile works
- 555 Addresses, essays, lectures
- 555.5 Special aspects of the subject as a whole
- 555.6.A-Z Special topics, A-Z
- 555.6.E4 Electronic data processing
- 555.6.G74 Green's functions
- 555.6.I58 Interfaces
- 555.6.L37 Laser electrochemistry
- 555.6.M36 Mathematical models
- 555.6.N65 Nonaqueous solvents
- 555.6.S65 Spectrum analysis
- 555.8 Study and teaching. Research
- 556 Problems, exercises, examinations
- 557 Laboratory manuals
 Electrochemical laboratories
- 558 General works
- 558.2.A-Z By region or country, A-Z
 Subarrange each country by Table Q6
- 559 Instruments and apparatus
- 560 Handbooks, tables, formulas, etc.

Physical and theoretical chemistry

Electrochemistry. Electrolysis -- Continued

Ions and ionization

561

General works

562.A-Z

Special topics, A-Z

562.A54

Anion separation

562.A75

Aqua ions

Dissociation see QD562.I65

562.E44

Electromotive force

562.E45

Electrophoresis

562.H93

Hydrogen-ion concentration

562.I63

Ion exchange. Ion exchange membranes

562.I65

Ionization. Dissociation

562.M54

Migration and velocity

Photodissociation see QD716.P48

Photoionization see QD716.P48

Velocity see QD562.M54

564

Electric double layer

565

Electrolytes, electrolyte solutions

Cf. TS672 Plating baths

568

Electrolytic cells

Cf. TK2901+ Electric power production from chemical action

569

Electrocatalysis

571

Electrode phenomena. Polarization, etc.

572.A-Z

Special electrodes, A-Z

572.A65

Alkali metal

572.C37

Carbon

572.G53

Glass

572.H94

Hydrides

572.I66

Ion selective

572.I76

Iron

572.N53

Nickel

572.O85

Oxide

572.O88

Oxygen

572.S95

Sulfur

575.A-Z

Special groups of substances, A-Z

575.C65

Complex compounds

575.G53

Glass

576.A-Z

Special substances. By chemical symbol of principal element, A-Z (Table Q1)

578

Photoelectrochemistry

581

Plasma chemistry

Cf. TP156.P5 Industrial plasma chemistry

591

Magnetochemistry

Cf. QD940 Magnetic properties of crystals

Physical and theoretical chemistry -- Continued

Radiochemistry. Nuclear chemistry

Cf. QC794.95+ Radioactivity, radioactive substances in nuclear physics

Cf. TK9350 Nuclear engineering

Cf. TP249 Industrial radiochemistry. Industrial radiation chemistry

- 601.A1 Periodicals, societies, congresses, serial publications
- 601.A2 Collected works (nonserial)
- General works, treatises, and textbooks
- 601.A4-Z Through 1970
- 601.2 1971-2000
- 601.3 2001-
- 602 Addresses, essays, lectures
- 602.4 Special aspects of the subject as a whole
- 602.5.A-Z Special topics, A-Z
- 602.5.E4 Electronic data processing
- 603.A-Z Special substances. By chemical symbol of principal element, A-Z (Table Q1)
- Study and teaching. Research
- 604 General works
- 604.3 Problems, exercises, examinations
- 604.5 Experiments
- 604.7 Laboratory manuals
- Radiochemical laboratories. Hot laboratories
 - ✓ Cf. QC788+ Nuclear physics research laboratories and projects
- 604.8 General works
- 604.85.A-Z By region or country, A-Z
 - Subarrange each country by Table Q6
- 604.9 Handbooks, tables, formulas, etc.
- Radiochemical analysis
- 605 General works
- 606 Radioactivation analysis. Nuclear activation analysis
- 607 Tracer techniques
 - For applications in special fields, see the field, e.g. QH324.3 Biology
- 608 Isotope dilution analysis
- Radiation chemistry
 - Cf. QC474+ Radiation physics
 - Cf. TA418.6 Radiation effects and tests of materials
 - Cf. TP249 Industrial radiochemistry. Industrial radiation chemistry
- 625 Periodicals, societies, congresses, serial publications
- 626 Collected works (nonserial)
- General works, treatises, and textbooks
- 635 Through 1970

- Physical and theoretical chemistry
- Radiation chemistry
- General works, treatises, and textbooks -- Continued
- 1971-
- 636 Addresses, essays, lectures
- 641 Special aspects of the subject as a whole
- 642 Special topics, A-Z
- 643.A-Z Chemical dosimetry
- 643.C5 Pulse radiolysis
- 643.P84 Study and teaching. Research
- 646 General works
- 646.3 Problems, exercises, examinations
- 646.5 Experiments
- 646.7 Laboratory manuals
- 649 Handbooks, tables, formulas, etc.
- 651.A-Z Special substances. By name, A-Z
- 651.A36 Actinide elements
- 651.A4 Alcohol
- 651.A45 Ammonia
- 651.C37 Carbohydrates
- 651.H93 Hydrocarbons
- 651.M38 Mercapto compounds. Thiols
- 651.M4 Methanol
- 651.N5 Nitrous oxide
- 651.P6 Polymers
- Thiols see QD651.M38
- 651.W3 Water
- 655 Particular types of radiation and chemical reaction, e.g. x-rays (not A-Z)
- Photochemistry
- Cf. QD275 Organic photochemistry
- Cf. QD578 Photoelectrochemistry
- Cf. QP517.P45 Photobiochemistry
- Cf. TP249.5 Industrial photochemistry
- Cf. TR200+ Photographic chemistry
- 701 Periodicals, societies, congresses, serial publications
- General works, treatises, and textbooks
- Through 1970
- 1971-
- 714 Addresses, essays, lectures
- 715 Special aspects of the subject as a whole
- 716.A-Z Special topics, A-Z
- 716.F54 Flash photolysis
- 716.L37 Laser photochemistry
- Including femtochemistry
- 716.O95 Oxidation-reduction
- 716.P45 Photocatalysis

- Physical and theoretical chemistry
- Photochemistry
- Special topics, A-Z -- Continued
- 716.P47 Photochromism
- 716.P48 Photodissociation. Photoionization
- Class here general works on chemical and physical aspects of photoionization.
- For works on the physics of ionization produced by photons of light, X-rays or gamma rays see QC702.7.P48
- 716.P5 Photopolymerization
- Class here general works on photopolymerization
- For works on inorganic polymerization see QD196
- For works on organic polymerization see QD281.P6
- 719 Handbooks, tables, formulas, etc.
- 730.A-Z Special groups of substances, A-Z
- 730.C65 Coordination compounds
- Polymers see QD381.9.P56
- 730.S35 Semiconductors
- 730.T73 Transition metal compounds
- 731.A-Z Special substances. By chemical symbol of principal element, A-Z (Table Q1)
- 801 Sonochemistry
- Cf. TP156.A33 Industrial use of sounds and ultrasonics
- 850 Mechanical chemistry
- Supramolecular chemistry
- Cf. QD380+ Macromolecules
- 875 Periodicals, societies, congresses, serial publications
- 876 Dictionaries and encyclopedias
- 878 General works, treatises, and textbooks
- 880 Electrochemistry of supramolecular compounds
- 882 Supramolecular organometallic chemistry
- Crystallography
- Cf. QE372+ Descriptive mineralogy
- 901 Periodicals, societies, congresses, serial publications
- 901.2 Collected works (nonserial)
- 902 Dictionaries and encyclopedias
- 902.5 Nomenclature, terminology, notation, abbreviations
- History
- 903 General works
- 903.3.A-Z By region or country, A-Z
- Biography of crystallographers
- 903.5 Collective
- 903.6.A-Z Individual, A-Z
- 903.8 Directories
- 904 Early works through 1800
- General works, treatises, and textbooks

Crystallography

General works, treatises, and textbooks -- Continued

1801-1969

1970-

Pictorial works and atlases

Juvenile works

Addresses, essays, lectures

Special aspects of the subject as a whole

Special topics, A-Z

Electron microscopy

Electronic data processing

Statistical methods see QD919

Study and teaching. Research

General works

Problems, exercises, examinations

Laboratory manuals

Instruments and apparatus

Handbooks, tables, formulas, etc.

Geometrical and mathematical crystallography

General works

Fundamental systems

Including tetragonal, orthorhombic, monoclinic systems

Diagrams

Goniometric measurements

Statistical methods

Crystal structure and growth

Including crystal lattices, defects, and dislocations

For lattice dynamics see QC176.8.L3

Cf. QD548 Crystallization in solutions

Cf. QD549.2.C64 Colloidal crystals

General works

Liquid crystals

Including polymer liquid crystals

Cf. QC173.4.L55 Physics

Cf. TP1180.P666 Chemical technology

Photonic crystals

Polycrystals

Quasicrystals

Cf. QC173.4.Q36 Physics

Physical properties of crystals

Cf. QC176+ Solids, solid state physics

General works

Mechanical properties

Including cohesion, elasticity, plasticity, cleavage, hardness

Thermal properties

Crystallography

Physical properties of crystals -- Continued

939

Electric properties

Cf. QC595 Pyroelectricity

Cf. QC595.5 Piezoelectricity

940

Magnetic properties

941

Optical properties

Including isotropy, anisotropy, refractivity, reflectivity, crystal rotation

Cf. QC440+ Polarization

945

X-ray crystallography

947

Other physical properties (not A-Z)

951

Chemical crystallography

Including relationships between structure and bonding, isomorphism, polymorphism, pseudomorphism

999

Miscellany and curiosa

QD

Geology

For economic geology and mineral resources see TN1+

Cf. QB603.G46 Planetary geology

Cf. QH343.4 Geobiology

Cf. TA703+ Engineering geology

Cf. UG465+ Military geology

1 Periodicals, societies, congresses, serial publications

3 Collected works (nonserial)

4 Voyages and expeditions

5 Dictionaries and encyclopedias

6 Philosophy

7 Nomenclature, terminology, notation, abbreviations

History

11 General works

13.A-Z By region or country, A-Z

Biography

21 Collective

22.A-Z Individual, A-Z

e.g.

22.D25 Dana, James Dwight

22.L8 Lyell, Charles

22.S77 Steno, Nicolaus

23 Directories

25 Early works through 1800

General works, treatises, and advanced textbooks

26 1801-1969

26.2 1970-2000

26.3 2001-

Elementary textbooks

28 General

28.2 Physical geology

28.3 Historical geology

29 Juvenile works

31 Popular works

33 Special aspects of the subject as a whole

33.2.A-Z Special topics, A-Z

33.2.A3 Aerial photography in geology

33.2.A7 Artificial satellites in geology

33.2.B6 Borings

33.2.C48 Chaotic behavior in systems

33.2.C5 Charts, diagrams, etc.

Computer simulation see QE48.8

Data processing see QE48.8

33.2.F73 Fractals

33.2.M3 Mathematical geology

33.2.P47 Periodicity

33.2.P7 Practical geology

- Special topics, A-Z -- Continued
- 33.2.R33 Radar in earth sciences
 - 33.2.R4 Remote sensing
 - 33.2.S6 Spectrum analysis in geology
 - 33.2.S82 Statistical methods
 - 33.2.S9 Subsurface geology
 - 33.2.T45 Thermal analysis
 - 33.2.T7 Translating services. Translating
 - 33.2.W38 Wavelets
 - 34 Geology as a profession. Vocational guidance
 - 35 Addresses, essays, lectures
 - 36 Geological maps
 - Class here works on making, interpretation, and use of geological maps
 - For the maps themselves see G3200+
 - Special fields
 - 37 Agricultural geology
 - Engineering geology see TA703+
 - 38 Environmental geology
 - 38.5 Forensic geology
 - Military geology see UG465+
 - 39 Submarine geology
 - For submarine geology of a particular body of water, see QE350.2+
 - Cf. GC83+ Submarine topography
 - Cf. QE511.7 Sea-floor spreading
 - 39.5.A-Z Other, A-Z
 - Paleobiology see QE719.8
 - 39.5.P25 Paleooceanography
 - Paleoclimatology see QC884+
 - Paleoecology see QE720+
 - Paleogeography see QE501.4.P3
 - 39.5.P27 Paleohydrology
 - 39.5.P3 Paleolimnology
 - Paleomagnetism see QE501.4.P35
 - Paleopedology see QE473
 - Paleoseismology see QE539.2.P34
 - 39.5.U7 Urban geology
 - For urban geology of a particular place see QE65+
 - Study and teaching. Research
 - 40 General works
 - 41 Outlines, syllabi
 - 42 Problems, exercises, examinations
 - 43 Models, diagrams, etc.
 - 44 Laboratory manuals
 - 45 Fieldwork
 - By region or country

- Study and teaching. Research
 - By region or country -- Continued
 - United States
 - 47.A1 General works
 - 47.A2-Z By region or state, A-Z
 - Subarrange each state by Table Q7
 - 48.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table Q7
 - 48.6 Awards
 - 48.8 Data processing
 - Including computer simulation
 - Communication in geology
 - 48.85 General works
 - 48.86 Information services
 - 48.87 Computer network resources
 - Including the Internet
 - Laboratories
 - 49.A1 General works
 - 49.A3-Z By region or country, A-Z
 - Subarrange each country by Table Q6
 - 49.5 Instruments and apparatus
 - 50 Collection and preservation
 - Museums. Exhibitions
 - 51.A1 General works
 - 51.A2-Z By region or country, A-Z
 - Subarrange each country by Table Q5
 - 52 Handbooks, tables, formulas, etc.
 - 53 Miscellany and curiosa
 - 55 Dealers' catalogs of specimens
 - 61 Surveys (History, organization, etc.)
 - Geographical divisions
 - 65 Miscellaneous regions
 - e.g. British empire
 - 70 Arctic regions. Greenland
 - America
 - 70.5 General works
 - North America
 - 71 General works
 - United States
 - 72 Surveys (General)
 - 73 Surveys, before 1861
 - 74 Surveys, 1865-1879
 - United States Geological Survey
 - 75 General publications of the USGS
 - 76 Works about the USGS
 - 77 General works
 - Special regions

Geographical divisions

America

North America

United States

Special regions -- Continued

- 78 Lake region and Saint Lawrence
- 78.3 North. Northeast. East. Appalachian Mountains
- 78.5 South. Southeast
- 78.7 Central. Mississippi Valley
- 79 Western states. Rocky Mountains
- 79.5 Southwest

By state

Class counties, physiographic regions, etc. in the local number

Alabama

- 81 General works
- 82.A-Z Local, A-Z

Alaska

- 83 General works
- 84.A-Z Local, A-Z

Arizona

- 85 General works
- 86.A-Z Local, A-Z

Arkansas

- 87 General works
- 88.A-Z Local, A-Z

California

- 89 General works
- 90.A-Z Local, A-Z

Colorado

- 91 General works
- 92.A-Z Local, A-Z

Connecticut

- 93 General works
- 94.A-Z Local, A-Z

Delaware

- 95 General works
- 96.A-Z Local, A-Z

District of Columbia

Florida

- 99 General works
- 100.A-Z Local, A-Z

Georgia

- 101 General works
- 102.A-Z Local, A-Z

Hawaii see QE349.H3

Idaho

Geographical divisions

America

North America

United States

By state

Idaho -- Continued

103 General works

104.A-Z Local, A-Z

Illinois

105 General works

106.A-Z Local, A-Z

Indiana

109 General works

110.A-Z Local, A-Z

Iowa

111 General works

112.A-Z Local, A-Z

Kansas

113 General works

114.A-Z Local, A-Z

Kentucky

115 General works

116.A-Z Local, A-Z

Louisiana

117 General works

118.A-Z Local, A-Z

Maine

119 General works

120.A-Z Local, A-Z

Maryland

121 General works

122.A-Z Local, A-Z

Massachusetts

123 General works

124.A-Z Local, A-Z

Michigan

125 General works

126.A-Z Local, A-Z

Minnesota

127 General works

128.A-Z Local, A-Z

Mississippi

129 General works

130.A-Z Local, A-Z

Missouri

131 General works

132.A-Z Local, A-Z

Geographical divisions

America

North America

United States

By state -- Continued

Montana

General works

Local, A-Z

Nebraska

General works

Local, A-Z

Nevada

General works

Local, A-Z

New Hampshire

General works

Local, A-Z

New Jersey

General works

Local, A-Z

New Mexico

General works

Local, A-Z

New York

General works

Local, A-Z

North Carolina

General works

Local, A-Z

North Dakota

General works

Local, A-Z

Ohio

General works

Local, A-Z

Oklahoma

General works

Local, A-Z

Oregon

General works

Local, A-Z

Pennsylvania

General works

Local, A-Z

Rhode Island

General works

Local, A-Z

133

134.A-Z

135

136.A-Z

137

138.A-Z

139

140.A-Z

141

142.A-Z

143

144.A-Z

145

146.A-Z

147

148.A-Z

149

150.A-Z

151

152.A-Z

153

154.A-Z

155

156.A-Z

157

158.A-Z

159

160.A-Z

QE

	Geographical divisions
	America
	North America
	United States
	By state -- Continued
	South Carolina
161	General works
162.A-Z	Local, A-Z
	South Dakota
163	General works
164.A-Z	Local, A-Z
	Tennessee
165	General works
166.A-Z	Local, A-Z
	Texas
167	General works
168.A-Z	Local, A-Z
	Utah
169	General works
170.A-Z	Local, A-Z
	Vermont
171	General works
172.A-Z	Local, A-Z
	Virginia
173	General works
174.A-Z	Local, A-Z
	Washington (State)
175	General works
176.A-Z	Local, A-Z
	West Virginia
177	General works
178.A-Z	Local, A-Z
	Wisconsin
179	General works
180.A-Z	Local, A-Z
	Wyoming
181	General works
182.A-Z	Local, A-Z
	Canada
185	General works
186	Alberta
187	British Columbia
188	Manitoba
189	New Brunswick
190	Nova Scotia
191	Ontario
192	Prince Edward Island

Geographical divisions

America

North America

Canada -- Continued

- 193 Québec (Province)
- 194 Saskatchewan
- 195 Yukon Territory and Mackenzie District
- 196.A-Z Other northern territories, A-Z
- 196.B3 Baffin Island
- 196.F7 Franklin
- 196.H8 Hudson Bay
- 196.K4 Keewatin
- Labrador see QE199
- 196.N7 Northwest Territories
- Ungava see QE193
- 199 Newfoundland. Labrador

Latin America

- 200 General works

Mexico

- 201 General works
- 203.A-Z Local, A-Z

Central America

- 210 General works
- 211 Belize
- 212 Costa Rica
- 213 Guatemala
- 214 Honduras
- 215 Nicaragua
- 216 Panama
- 217 El Salvador

West Indies. Caribbean Area

- 220 General works
- 221 Bahamas
- 222 Cuba
- 223 Haiti
- 224 Jamaica
- 225 Puerto Rico
- 226.A-Z Other islands, A-Z

- 229 Bermuda

South America

- 230 General works
- 231 Argentina
- 233 Bolivia
- 235 Brazil
- 237 Chile
- 239 Colombia
- 241 Ecuador

	Geographical divisions
	America
	Latin America
	South America -- Continued
	Guianas
243	General works
243.2	Guyana (British Guiana)
243.3	Suriname (Dutch Guiana)
243.4	French Guiana
245	Paraguay
247	Peru
249	Uruguay
251	Venezuela
	South Atlantic islands
256	General works
257	Falkland Islands
258.A-Z	Other South Atlantic islands, A-Z
	e.g.
258.S6	South Georgia Island
260	Europe
	Great Britain
261	General works
	England and Wales
262.A1	General works
262.A3-Z	Local, A-Z
	e.g.
262.A6	Anglesey
262.B75	Broads, The
262.D36	Dean, Forest of
262.E3	England
262.G5	Gloucestershire
262.L2	Lake District
262.M2	Man, Isle of
262.P8	Purbeck, Isle of
262.W2	Wales
262.W6	Wight, Isle of
264	Scotland
265	Ireland
266	Austria
266.2	Hungary
267	Czechoslovakia
267.2	Liechtenstein
268	France
269	Germany
271	Greece
272	Italy
272.5	Malta

Geographical divisions

Europe -- Continued

- 273 Netherlands
274 Belgium
275 Luxembourg
276 Soviet Union. Russia (Federation)
Cf. QE315 Central Asia
276.3 Finland
276.5 Poland
Baltic States
276.7 General works
276.72 Estonia
276.74 Latvia
276.76 Lithuania
277 Scandinavia
278 Denmark
278.5 Faroe Islands
279 Iceland
281 Norway
282 Sweden
283 Spain
284 Portugal. Azores
285 Switzerland. Alps
Balkan States
287 General works
287.2 Albania
287.4 Bulgaria
287.6 Romania
287.8 Yugoslavia
288.A-Z Other regions or countries of Europe, A-Z
288.A33 Aegean Islands (Greece and Turkey)
288.B35 Baltic Sea Region
288.B38 Belarus
288.K75 Krkonoše (Czech Republic and Poland)
288.M629 Moldova
288.P36 Pannonia Region
288.P97 Pyrenees
288.S55 Silesia, Upper
288.U38 Ukraine
Asia
289 General works
290 Afghanistan
Arabian Peninsula
291.A1 General works
291.A3-Z By region or country, A-Z
291.A3 Aden
291.K9 Kuwait

Geographical divisions

Asia

Arabian Peninsula

By region or country, A-Z -- Continued

291.M9

Muscat and Oman. Oman

Oman see QE291.M9

291.S28

Saudi Arabia

294

China

294.3

Taiwan

294.5

Mongolia

295

India

295.2

Burma. Myanmar

295.3

Sri Lanka

295.4

Pakistan

295.5

Bangladesh

296

Indochina

298

Thailand

299

Malay Peninsula. Straits Settlements

299.5

Malaysia

Indonesia. Dutch East Indies

301.A1

General works

301.A3-Z

By region, island, etc., A-Z

e.g.

301.A5

Amboina

301.B7

Borneo

301.C4

Celebese

301.C45

Ceram

(301.D8)

Dutch East Indies

see QE301.A1

301.J4

Java

301.K3

Kabaena Island

301.M7

Moluccas

301.S9

Sumatra

301.S94

Sunda Islands

301.T5

Timor

302

Philippines

304

Japan

305

Korea

Including South Korea

305.2

North Korea

307

Iran

307.2

Iraq

315

Soviet Central Asia. Central Asia. Siberia

Cf. QE276 Russia (Federation)

316

Turkey

317

Armenia

318

Israel. Palestine

Geographical divisions

Asia -- Continued

- 318.2 Jordan
- 318.3 Lebanon
- 318.4 Syria
- 319.A-Z Other regions or countries, A-Z
- 319.B46 Bengal Basin
- 319.C9 Cyprus
- 319.G35 Gangetic Plain
- 319.H5 Himalaya Mountains
- 319.N4 Near East. Middle East
- 319.O54 Oman Mountains (Oman and United Arab Emirates)
- 319.S67 Southeast Asia
- 319.5 Arab countries (General)

Africa

- 320 General works
- 321 Ethiopia
- Former British possessions
- 325 South Africa
- 325.5 Central Africa (General)
- 326 East Africa (General)
- 327.A-Z Other, A-Z
- 327.B3 Basutoland. Lesotho.
- 327.B4 Bechuanaland. Botswana
- ✓ 327.B4 Cameroon see QE339.C35
- 327.G6 Ghana. Gold Coast
- 327.K4 Kenya
- Lesotho see QE327.B3
- Malawi see QE327.N8
- 327.N5 Nigeria
- 327.N8 Nyasaland. Malawi
- 327.R55 Northern Rhodesia. Zambia
- 327.R6 Rhodesia, Southern. Zimbabwe
- 327.S2 Saint Helena
- 327.S5 Sierra Leone
- 327.S6 Sokotra (Yemen)
- 327.S77 Sudan
- 327.S8 Swaziland
- 327.T3 Tanzania. Tanganyika
- 327.U4 Uganda
- West Cameroon see QE339.C35
- Zambia see QE327.R55
- 327.Z3 Zanzibar
- Zimbabwe see QE327.R6
- 328 Egypt
- Former French possessions
- 329 Algeria

Geographical divisions

Africa

Former French possessions -- Continued

- 329.2 Tunisia
- 330 Madagascar
- 331.A-Z Other, A-Z
 - 331.B45 Benin
 - Burkina Faso see QE331.U64
 - Cameroun see QE339.C35
 - Central African Republic see QE331.U2
 - 331.C53 Chad
 - Côte d'Ivoire see QE331.I9
 - Dahomey see QE331.B45
 - Djibouti
 - 331.D5 French Equatorial Africa
 - 331.F65 French Somaliland see QE331.D5
 - 331.F7 French West Africa
 - 331.G3 Gabon
 - 331.G8 Guinea
 - 331.I9 Ivory Coast. Côte d'Ivoire
 - 331.M27 Mali
 - 331.M3 Mauritania
 - Morocco see QE339.M8
 - 331.N5 Niger
 - 331.U2 Ubangi-Shari. Central African Republic
 - 331.U64 Upper Volta. Burkina Faso
- 332 Former German possessions
 - Cf. QE339.C35 Kamerun
- 334 Former Italian possessions. Libya
- 335 Congo (Democratic Republic). Zaire
- 335.5 Congo (Brazzaville)
- Former Portuguese possessions
 - 337 General works
 - 337.3 Mozambique
 - 337.5 Angola
 - 337.6 Cape Verde
 - 337.7 Guinea-Bissau
- 338 Spanish possessions
- 339.A-Z Other regions or countries, A-Z
 - 339.B85 Burundi
 - 339.C35 Cameroon
 - 339.L5 Liberia
 - 339.M8 Morocco
 - 339.N34 Namibia
 - 339.N66 Northeast Africa
 - 339.N67 Northwest Africa
 - 339.R85 Rwanda

	Geographical divisions
	Africa
	Other regions or countries, A-Z -- Continued
339.S2	Sahara
339.S6	Somalia
339.S68	Southern Africa
339.S8	Sub-Saharan Africa
339.W46	West Africa
	Indian Ocean islands
339.5	General works
339.6.A-Z	By region, island, etc., A-Z
339.6.M35	Maldives
339.6.R48	Réunion
339.6.S48	Seychelles
	Australasia
339.8	General works
	Australia
340	General works
341	New South Wales
(342)	New Zealand
	see QE348.2
343	North Australia. Northern Territory
344	Queensland
345	South Australia
346	Tasmania
347	Victoria
348	Western Australia
348.2	New Zealand
348.4	Papua New Guinea
349.A-Z	Pacific islands, A-Z
	e.g.
349.F5	Fiji
349.H3	Hawaii
349.M35	Marshall Islands
349.N43	New Hebrides. Vanuatu
349.O4	Oceania
349.S64	Solomon Islands
349.T66	Tonga
350	Antarctica
	Atlantic Ocean
350.2	General works
350.22.A-Z	Local major divisions, A-Z
350.22.B34	Baltic Sea
350.22.B37	Barents Sea
350.22.B55	Black Sea
350.22.B65	Bothnian Sea
350.22.C37	Caribbean Sea

QE

Geographical divisions

Atlantic Ocean

Local major divisions, A-Z -- Continued

- 350.22.E52 English Channel
- 350.22.G53 Gibraltar, Straits of
- 350.22.G73 Greenland-Iceland Sea
- 350.22.L33 Labrador Sea
- 350.22.M32 Maine, Gulf of
- 350.22.M42 Mediterranean Sea
- 350.22.M48 Mexico, Gulf of
- 350.22.M5 Mid-Atlantic Bight
- 350.22.M52 Mid-Atlantic Ridge
- 350.22.N65 North Atlantic Ocean
- 350.22.N67 North Sea
- 350.22.N68 Norwegian Sea
- 350.22.R48 Reykjanes Ridge
- 350.22.S68 South Atlantic Ocean
- Straits of Gibraltar see QE350.22.G53

Pacific Ocean

- 350.4 General works
- 350.42.A-Z Local major divisions, A-Z
 - 350.42.A43 Alaska, Gulf of
 - 350.42.B45 Bering Sea Region
 - 350.42.C45 China Sea
 - 350.42.E27 East China Sea
 - 350.42.J34 Japan Sea
 - 350.42.N65 North Pacific
 - 350.42.O44 Okhotsk Sea
 - 350.42.P45 Philippine Sea
 - 350.42.S66 South China Sea
 - 350.42.S68 South Pacific Ocean
 - 350.42.T37 Tasman Sea

Indian Ocean

- 350.5 General works
- 350.52.A-Z Local major divisions, A-Z
 - 350.52.A73 Arabian Sea
 - 350.52.R43 Red Sea

Arctic Ocean

- 350.6 General works
- 350.62.A-Z Local major divisions, A-Z
 - 350.62.C45 Chukchi Sea

Mineralogy

- For crystallography see QD901+
- Cf. QB455.2 Astromineralogy
- 351 Periodicals, societies, congresses, serial publications
- 353 Collected works (nonserial)
- 355 Dictionaries and encyclopedias

- Mineralogy -- Continued
- 357 Nomenclature, terminology, notation, abbreviations
History
- 359.A1 General works
- 359.A2-Z By region or country, A-Z
- Biography
- 361.A2 Collective
- 361.A3-Z Individual, A-Z
e.g.
361.C5 Clarke
Dana, James Dwight see QE22.D25
- 361.H2 Haidinger
- 361.2 Directories
- 362 Early works through 1800
General works, treatises, and textbooks
- 363 1801-1969
- 363.2 1970-
- 363.8 Pictorial works and atlases
- 364 Special aspects of the subject as a whole
- 364.2.A-Z Special topics, A-Z
- 364.2.E4 Electronic data processing
- 364.2.F47 Fluid inclusions
- 364.2.F5 Fluorescent minerals
- 364.2.H4 Heavy minerals
- 364.2.H54 High pressure
- 364.2.M37 Metallogeny
- 364.2.M4 Metasomatism
- 364.2.P3 Paragenesis
- 364.2.R3 Radioactive minerals
Rock-forming minerals see QE397
- 364.2.S7 Statistical methods
- 364.2.S87 Surfaces
- 364.2.T45 Thermodynamics
- 365 Popular works
- 365.2 Juvenile works
- 366 Study and teaching. Research
Mineralogical laboratories
- 366.15 General works
- 366.16.A-Z By region or country, A-Z
Subarrange each country by Table Q6
- 366.2 Collection and preservation
For mineral collecting in specific geographic regions see
QE373+
- 366.8 Handbooks, tables, formulas, etc.
Determinative mineralogy
For assaying see TN550+
Cf. QD87 Blowpipe analysis

	Mineralogy
	Determinative mineralogy -- Continued
	General works, treatises, and textbooks
367	1801-1969
367.2	1970-
368.9	Special aspects of the subject as a whole
369.A-Z	Special topics, A-Z
369.C6	Colloidal determinations
369.D5	Differential thermal analysis
369.F4	Fedorovskii method
369.I55	Immersion method
369.M5	Microscopic determinations
369.O6	Optical determinations
369.P49	Physical properties
369.S6	Specific gravity determinations
369.S65	Spectrum analysis
369.U4	Ultraviolet
369.X2	X-ray powder
371	Mineralogical chemistry
	Descriptive mineralogy
	General works, treatises, and textbooks
372	1801-1969
372.2	1970-
	Geographical divisions
	North America
373	General works
	United States
375	General works
375.5.A-Z	By region or state, A-Z
	Canada
376	General works
376.5.A-Z	By region, province, or territory, A-Z
	Mexico
377	General works
377.5.A-Z	By region or state, A-Z
	Central America
377.7.A1	General works
377.7.A3-Z	By region, country, or island, A-Z
	Offshore islands generally class with adjacent mainland
	West Indies. Caribbean Area
378.A1	General works
378.A3-Z	By region, country, or island, A-Z
	Offshore islands generally class with adjacent mainland
	South America
379.A1	General works
379.A3-Z	By region, country, or island, A-Z
	Offshore islands generally class with adjacent mainland

Mineralogy

Descriptive mineralogy

Geographical divisions -- Continued

Europe

- 381.A1 General works
- 381.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland

Asia

- 382.A1 General works
- 382.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland

Africa

- 383.A1 General works
- 383.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland

Australia

- 384 General works
- 384.2.A-Z By region, state, or territory, A-Z

New Zealand

- 384.5 General works
- 384.7.A-Z By region or statistical area, A-Z

Pacific islands

- 385.A1 General works
- 385.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland

Arctic regions

- 385.5.A1 General works
- 385.5.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland

Antarctica

- 385.6.A1 General works
- 385.6.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland

Museums. Exhibitions

- 386.A1 General works
- 386.A2-Z By region or country, A-Z
 - Subarrange each country by Table Q5

- 387 Dealers' catalogs of specimens

- 388 Classification

Special groups of minerals

Descriptive and determinative

- 389 General works
- 389.1 Native elements
- 389.2 Sulfides, selenides, tellurides, arsenides, antimonides
- 389.3 Sulfo salts (Sulfarsenites, sulfantimonites, sulfobismuthites)
- 389.4 Halides (Chlorides, bromides, iodides, fluorides)
- 389.5 Oxides

Mineralogy

Special groups of minerals -- Continued

Oxygen salts

389.6 General works

389.61 Carbonates

Silicates, titanates

389.62 General works`

389.625 Clay minerals

389.63 Niobates, tantalates

389.64 Phosphates, arsenates, vanadates, antimonates, nitrates

389.65 Borates, uranates

389.66 Sulfates, chromates, tellurates

389.67 Tungstates, molybdates

389.7 Salts of organic acids: oxalates, mellates, etc.

Hydrocarbon compounds

389.8 General works

Coal see TN805+

Petroleum see TN870.5+

Ore minerals (General)

390 General works

390.2.A-Z Special ore minerals, A-Z

390.2.A58 Antimony ores

390.2.B46 Beryllium ores

390.2.B67 Boron ores

390.2.C58 Cobalt ores

390.2.C6 Copper ores

390.2.G65 Gold ores

390.2.I76 Iron ores

390.2.L43 Lead ores

390.2.L57 Lithium ores

390.2.M35 Manganese ores

390.2.M47 Mercury ores

390.2.N53 Nickel ores

390.2.P56 Platinum ores

390.2.R37 Rare earth ores

390.2.S55 Silver ores

390.2.T42 Tellurium ores

390.2.T45 Thorium ores

390.2.T48 Tin ores

390.2.T5 Titanium ores

390.2.T85 Tungsten ores

390.2.U7 Uranium ores

390.2.V36 Vanadium ores

390.2.Z54 Zinc ores

390.5 Hydrothermal deposits. Hydrothermal alteration

391.A-Z Description of special minerals, A-Z

391.A18 Acmite

Mineralogy

Description of special minerals, A-Z -- Continued

391.A2	Actinolite
	Agate see QE391.Q2
391.A4	Allanite
391.A45	Alunite
391.A48	Amazonite
391.A5	Amber
391.A53	Amphiboles
391.A55	Analcime
391.A57	Andesine
391.A572	Andorite
391.A573	Anhydrite
391.A6	Apatite
391.A8	Augite
391.B2	Babingtonite
391.B35	Barite
391.B5	Benitoite
391.B55	Bentonite
391.B6	Beryl
391.B64	Biotite
391.B7	Bøggildite
391.B73	Boehmite
391.B75	Botryogen
391.B78	Brannerite
391.B82	Brucite
391.C2	Calcite
391.C25	Cassiterite
391.C3	Celadonite
391.C32	Celestite
391.C35	Chalcocite
391.C38	Chalybite
391.C392	Chamosite
391.C5	Chlorite
391.C6	Chondrodite
391.C65	Chromite
391.C657	Chrysoberyl
391.C67	Chrysotile
391.C8	Colemanite
391.C84	Cookeite
391.C9	Corundum
391.C94	Cuprodescloizite
391.D3	Datolite
391.D6	Dolomite
391.D8	Durangite
391.E43	Electrum
391.E5	Endlichite

Mineralogy

Description of special minerals, A-Z -- Continued

391.E6	Enstatite
391.E8	Epidote
391.E9	Evansite
391.F3	Feldspar
391.F4	Ferberite
391.F45	Ferrierite
	Flint see QE471.15.F47
391.F6	Fluorspar
391.G3	Galena
391.G37	Garnet
391.G5	Glauconite
391.G55	Gmelinite
391.G6	Gold
391.G8	Gunnbjarnite
391.G93	Gypsum
391.H34	Hedenbergite
391.H38	Helvite
391.H4	Hematite
391.H5	Hercynite
391.H55	Heulandite
391.H8	Hortonolite
391.H84	Huebnerite
	Iceland spar see QE391.C2
	Idocrase see QE391.V55
391.I4	Ilmaussite
391.I44	Ilmenite
391.I53	Indianite
391.I7	Iron
	Jade see QE394.J3
391.J25	Jarosite
	Jasper see QE391.Q2
391.K2	Kaolinite
391.L28	Lawsonite
391.L3	Lazurite
391.L4	Leucite
	Leucoxene see QE396
391.L5	Liebigite
391.L8	Ludwigite
391.M2	Magnesite
391.M22	Magnetite
391.M25	Malachite
391.M3	Marcasite
391.M34	Meerschaum
391.M4	Melanosiderite
391.M45	Merumite

Mineralogy

Description of special minerals, A-Z -- Continued

391.M6	Mica
391.M67	Moissanite
391.M7	Molybdenite
391.M75	Monazite
391.M8	Mordenite
391.M85	Muscovite
391.N27	Natrolite
391.N3	Naujakasite
	Nephrite see QE391.A2
391.O45	Olvine
	Opal see QE394.O7
	Palacheite see QE391.B75
391.P34	Palygorskite
391.P44	Pecoraite
391.P47	Perovskite
391.P48	Petalite
391.P5	Pickeringite
391.P55	Plagioclase
391.P56	Pollucite
391.P8	Pyrophyllite
391.P84	Pyroxene
391.P86	Pyroxmangite
391.P9	Pyrrhotite
391.Q2	Quartz
	Ramirite see QE391.C94
391.R5	Riebeckite
391.R7	Roscoelite
391.R88	Rutile
391.S25	Sapphirine
391.S28	Scapolite
391.S3	Scheelite
	Schungite see QE475.S39
	Sepiolite see QE391.M34
391.S47	Serpentine
391.S49	Siderite
391.S5	Sillimanite
391.S6	Smectite
391.S65	Sphalerite
391.S67	Sphene
391.S68	Spinel
391.S7	Spodumene
391.S73	Stannite
391.S75	Staurolite
391.S77	Stenonite
391.S8	Stichtite

Mineralogy

Description of special minerals, A-Z -- Continued

- 391.T2 Talc
- 391.T3 Tephroite
- 391.T4 Tetradymite
- 391.T6 Topaz
- 391.T7 Tourmaline
- 391.T8 Trona
- 391.T85 Tugtupite
- 391.U65 Uraninite
- Uranothallite see QE391.L5
- 391.V35 Vanadinite
- 391.V5 Vermiculite
- 391.V55 Vesuvianite
- 391.V6 Villiaumite
- 391.V64 Vivianite
- 391.V68 Volkonskoite
- 391.W3 Wagnerite
- 391.W6 Wolframite
- 391.W66 Wollastonite
- 391.Z5 Zeolites
- 391.Z7 Zircon
- 391.Z8 Zoisite

Precious stones

- Cf. NK7650+ Art industries
- Cf. TN980+ Mining
- Cf. TS747+ Jewelry manufacture

- 392 General works, treatises, and textbooks
- 392.2 Juvenile works
- 392.5.A-Z By region or country, A-Z
- 393 Diamonds
- 394.A-Z Other precious stones, A-Z
- 394.A4 Amethysts
- 394.E5 Emeralds
- 394.J3 Jade
- 394.J46 Jet
- 394.O7 Opals
- 394.R8 Rubies
- 394.S3 Sapphires
- 394.T8 Turquoise
- 396 Leucoxene
- 397 Rock-forming minerals
- Meteorites see QB754.8+
- 399 Tektites
- For fluorescent minerals see QE364.2.F5
- 399.2 Miscellany and curiosa

	Petrology
	Cf. TN950+ Building stones
420	Periodicals, societies, congresses, serial publications
421	Collected works (nonserial)
423	Dictionaries and encyclopedias
425	Nomenclature, terminology, notation, abbreviations
425.4	Classification
	History
427.A1	General works
427.A2-Z	By region or country, A-Z
430	Early works through 1800
	General works, treatises, and textbooks
431	1801-1969
431.2	1970-
431.5	Special aspects of the subject as a whole
431.6.A-Z	Special topics, A-Z
431.6.A25	Acoustic properties
431.6.E4	Electric properties
431.6.M3	Magnetic properties
431.6.M4	Mechanical properties
431.6.O7	Ores
431.6.P4	Petrogenesis
431.6.P5	Physical properties
431.6.P6	Porosity
431.6.T45	Thermal properties
431.6.W38	Water-rock interaction
432	Popular works
432.2	Juvenile works
432.5	Addresses, essays, lectures
	Study and teaching. Research
432.7	General works
433	Laboratory manuals
433.5	Instruments and apparatus
433.6	Collection and preservation
	For rock collecting in specific geographic regions see
	QE443+
433.7	Data processing
433.8	Handbooks, tables, formulas, etc.
434	Microscopic analysis of rocks. Thin sections
435	X-ray petrology
438	Chemical analysis of rocks
440	Petrofabric analysis
	Including petrofabric diagrams
	Museums. Exhibitions
442.A1	General works
442.A2-Z	By region or country, A-Z
	Subarrange each country by Table Q5

Petrology -- Continued

Geographical divisions

North America

443

General works

United States

444

General works

445.A-Z

By region or state, A-Z

Canada

445.5

General works

446.A-Z

By region or province, A-Z

Mexico

446.5

General works

446.6.A-Z

By region or state, A-Z

Central America

447.A1

General works

447.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

West Indies. Caribbean Area

448.A1

General works

448.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

South America

449.A1

General works

449.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Europe

451.A1

General works

451.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Asia

452.A1

General works

452.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Africa

453.A1

General works

453.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Indian Ocean islands

453.2

General works

453.3.A-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Australia

453.5

General works

454.A-Z

By region, state, or territory, A-Z

New Zealand

454.5

General works

454.6.A-Z

By region or statistical area, A-Z

Petrology

Geographical divisions -- Continued

Pacific islands

455.A1

General works

455.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Arctic regions

456.A1

General works

456.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Antarctica

456.5.A1

General works

456.5.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Igneous rocks, volcanic ash, tuff, etc.

461

General works

462.A-Z

Special, A-Z

462.A35

Alaskite

462.A37

Albitite

462.A4

Alkalic igneous rocks

462.A5

Andesite

462.A55

Anorthosite

462.A63

Aplite

462.B3

Basalt

462.B65

Boninite

462.C36

Carbonatites

462.C5

Charnockite

462.D5

Diabase

462.D56

Diorite

462.F4

Fenite

462.G3

Gabbro

462.G7

Granite

462.G75

Granodiorite

462.G77

Greenstone

462.H67

Hornblendite

462.I35

Ignimbrite

462.K44

Keratophyre

462.K5

Kimberlite

462.K66

Komatiite

462.L35

Lamproite

462.L37

Latite

462.L48

Leucitite

462.M6

Monzonite

462.N4

Nepheline syenite

462.O28

Obsidian

462.O43

Olivinite

462.O6

Ophiolites

Petrology

Igneous rocks, volcanic ash, tuff, etc.

Special, A-Z -- Continued

462.O73	Orangeite
462.P4	Pegmatites
462.P43	Pegmatoids
462.P45	Peridotite
462.P6	Porphyry
462.P7	Propylite
462.R4	Rhyolite
	Serpentinite see QE475.S47
462.S65	Spilites
462.S95	Syenite
462.T74	Trondhjemite
462.U4	Ultrabasic rocks
462.V64	Volcanite

Sedimentary rocks. Sedimentology

For sedimentation see QE571+

471	General works
471.15.A-Z	Special, A-Z
471.15.A68	Arenites
471.15.A7	Arkose
471.15.B32	Bauxite
471.15.B34	Beachrock
471.15.B4	Bentonite
471.15.B7	Breccia
471.15.C27	Calcretes
471.15.C3	Carbonate rocks
471.15.C4	Chert
471.15.C58	Concretions
471.15.C6	Conglomerate
471.15.D6	Dolomite
471.15.E8	Evaporites
471.15.F47	Flint
471.15.F5	Flysch
471.15.G4	Geodes
471.15.L5	Limestone
471.15.M44	Melanges
471.15.M83	Mudstone
471.15.O5	Oolite
	Phosphate rock see QE471.15.P48
471.15.P48	Phosphorite. Phosphate rock
471.15.S2	Salt
471.15.S25	Sandstone
471.15.S5	Shale
471.15.S54	Siltstone
471.15.T5	Tillite

- Petrology
 - Sedimentary rocks. Sedimentology
 - Special, A-Z -- Continued
 - 471.15.T64 Tonsteins
 - 471.15.T73 Travertine
 - 471.15.T8 Turbidites
 - 471.2 Sediments (Unconsolidated)
 - 471.3 Clay
 - 472 Sedimentary structures
 - 473 Paleopedology
 - Metamorphic rocks. Metamorphism
 - General works, treatises, and textbooks
 - Special, A-Z
 - 475.A2 Amphibolite
 - 475.A3-Z Eclogite
 - 475.A4 Gneiss
 - 475.E25 Granulite
 - 475.G55 Jadeite
 - 475.G7 Jasperoid
 - 475.J27 Listwanite
 - 475.J3 Marble
 - 475.L57 Metabasite
 - 475.M3 Migmatite
 - 475.M45 Mylonite
 - 475.M5 Phyllite
 - 475.M95 Quartzite
 - 475.P47 Schist
 - 475.Q3 Schungite
 - 475.Q3 Serpentinite
 - 475.S3 Soapstone
 - 475.S39 Tactite
 - 475.S47 Tectonite
 - 475.S6
 - 475.T33
 - 475.T43
 - 495 Laterite
 - 496 Saprolites
 - 499 Miscellany and curiosa
 - Dynamic and structural geology
 - Physical and tectonic
 - Periodicals, societies, congresses, serial publications
 - History
 - 500 General works, treatises, and textbooks
 - 500.5 Including physical history of the earth
 - 501 Popular works
 - 501.2 Juvenile works
 - 501.25 Special aspects of the subject as a whole
 - 501.3 Special topics, A-Z
 - 501.4.A-Z Isotope geology see QE501.4.N9
 - 501.4.M38 Mathematics

- Dynamic and structural geology
 - Special topics, A-Z -- Continued
 - 501.4.M6 Mohole project
 - 501.4.N9 Nuclear geology. Isotope geology
 - 501.4.P3 Paleogeography
 - 501.4.P35 Paleomagnetism
 - Paleoweathering see QE570
 - 501.4.P6 Polar wandering
 - 501.4.R45 Remote sensing
 - 501.4.U6 Upper mantle project
- 505 Addresses, essays, lectures
- 505.5 Study and teaching. Research
- 506 Geological cosmogony
- 507 Deluge, etc.
- 508 Geological time. Age of the earth
 - Including age determination, radioactive dating
- Interior of the earth. Internal structure of the earth
 - 509 General works
 - 509.2 Core
 - 509.3 Core-mantle boundary
 - 509.4 Mantle
 - 509.5 Temperature
 - 511 Earth's crust. Isostasy
 - Including continental crust and cratons
 - Cf. QB331 Gravity determinations
 - 511.2 Island arcs
 - Plate tectonics
 - 511.4 General works
 - 511.42 Neotectonics
 - 511.44 Morphotectonics
 - 511.46 Subduction zones
 - 511.48 Suture zones
 - 511.5 Continental drift
 - Including Gondwana, Pangaea
 - 511.7 Sea-floor spreading
 - 512 Epeirogeny
 - 513 Salt tectonics
 - Geochemistry
 - Cf. QH343.7+ Biogeochemistry
 - 514 Periodicals, societies, congresses, serial publications
 - Biography
 - 514.6 Collective
 - 514.62.A-Z Individual, A-Z
 - 515 General works, treatises, and textbooks
 - 515.5.A-Z Special topics, A-Z
 - 515.5.D37 Data processing
 - 515.5.G43 Geochemical modeling

	Dynamic and structural geology
	Geochemistry
	Special topics, A-Z -- Continued
515.5.G45	Geochemical self-organization
515.5.K55	Kinetics
515.5.R45	Remote sensing
515.5.T46	Thermodynamics
516.A-Z	Special elements and groups of elements, A-Z (Table Q1 modified)
516.A35	Alkali metals
516.C37	Carbon
	Including geological carbon sequestration
516.H3	Halogens
516.M65	Metals
516.R15	Radioactive substances
516.R2	Rare earth metals
516.R23	Rare gases
516.T85	Trace elements
516.3	Analytical geochemistry
516.4	Environmental geochemistry
	Nuclear geochemistry see QE501.4.N9
516.5	Organic geochemistry
	Dynamic geology
517	Periodicals, societies, congresses, serial publications
517.5	General works, treatises, and textbooks
	Volcanoes and earthquakes
521	General works, treatises, and textbooks
521.2	Popular works
521.3	Juvenile works
	Volcanoes. Volcanism
	Including supervolcanoes
521.5	Periodicals, societies, congresses, serial publications
522	General works, treatises, and textbooks
523.A-Z	Individual volcanoes, A-Z
	e.g.
523.P8	Popocatepetl
	Western Hemisphere. America
	Including Hawaii
524	General works
524.2.A-Z	By region or country, A-Z
	For individual volcanoes see QE523.A+
	Eastern Hemisphere. Europe, Africa
526	General works
526.2.A-Z	By region or country, A-Z
	For individual volcanoes see QE523.A+
	Eastern Hemisphere. Asia, Australasia
527	General works

QE

Dynamic and structural geology

Volcanoes and earthquakes

Volcanoes. Volcanism

Eastern Hemisphere. Asia, Australasia -- Continued

527.2.A-Z

By region or country, A-Z

For individual volcanoes see QE523.A+

527.3

Pacific Area (General)

527.4

Antarctica

527.5

Prediction of volcanic activity

527.55

Remote sensing

527.56

Tephrochronology

527.6

Volcanic hazard analysis. Safety measures

For hazard analysis or safety measures in specific
geographic regions see QE523+

527.7

Volcanic plumes

527.73

Lava flows

527.75

Volcanic gases and vapors

528

Geysers, hot springs, etc.

529

Miscellany and curiosa

Earthquakes. Seismology

Cf. TC181 Earthquakes and hydraulic structures

Cf. TC542.5 Earthquakes and dams

Cf. TF539 Damage to railroads

Cf. TH1095 Earthquakes and building

531

Periodicals, societies, congresses, serial publications

532.A-Z

Observations. By name of issuing observatory, A-Z

Including serial collections issued by individual
observatories

533

Early works through 1800

General works, treatises, and textbooks

534

1801-1969

534.2

1970-2000

534.3

2001-

Special

Western Hemisphere. America

535

General works

535.2.A-Z

By region or country, A-Z

Eastern Hemisphere. Europe, Africa

536

General works

536.2.A-Z

By region or country, A-Z

Eastern Hemisphere. Asia, Australasia

537

General works

537.2.A-Z

By region or country, A-Z

537.5

Pacific Area (General)

538

Antarctica

538.5

Seismic waves. Elastic waves

538.8

Earthquake prediction

- Dynamic and structural geology
 Volcanoes and earthquakes
 Earthquakes. Seismology -- Continued
 539 Special aspects of the subject as a whole
 539.2.A-Z Special topics, A-Z
 539.2.A4 Aftershocks
 539.2.D36 Data processing
 539.2.E42 Elastic rebound theory
 Hazard analysis see QE539.2.S34
 539.2.I46 Induced seismicity
 539.2.I5 Intensity
 539.2.M37 Mathematics
 539.2.M5 Microseisms
 539.2.P34 Paleoseismology
 539.2.P4 Periodicity
 539.2.R45 Remote sensing
 539.2.S34 Safety measures. Hazard analysis
 For safety measures or hazard analysis in specific
 geographic regions, see QE535+
 539.2.S37 Seismic event location
 539.2.S4 Seismic models
 539.2.S43 Seismic traveltime inversion
 539.2.S73 Statistical methods
 Observatories. Seismic networks
 540.A2 General works
 540.A5-Z By region or country, A-Z
 Under each country:
 .x *General works*
 .x2A-.x2Z *Individual observatories. By name,*
 A-Z
 541 Instruments. Seismometry
 Including tables, calculations, seismograms, etc.
 (545) Volcanic gases and vapors
 see QE527.75
 Coral islands and reefs. Atolls
 Cf. GB461+ Geomorphology
 565 General works
 566.A-Z Individual, A-Z
 e.g.
 566.F35 Fangataufa Atoll
 566.G7 Great Barrier Reef (Qld.)
 566.M87 Mururoa Atoll
 570 Weathering
 Including paleoweathering
 Sedimentation
 Including erosion and deposition
 For sedimentary rocks and sedimentology see QE471+

- Dynamic and structural geology
- Sedimentation -- Continued
- 571 General works
- 573 Cryopedology
- Glacial erosion
- Cf. GB581+ Glacial landforms
- Cf. QE697+ Pleistocene
- 575 Periodicals, societies, congresses, serial publications
- 576 General works, treatises, and textbooks
- 578 Moraines, eskers, kames
- 579 Drift. Loess
- 581 Aqueous erosion
- Cf. S622+ Agriculture
- 587 Evorsion
- 597 Aerial erosion
- Earth movements. Mass movements
- For descriptive works, disasters, etc., see DA+
- 598 Periodicals, societies, congresses, serial publications
- 598.2 General works, treatises, and textbooks
- 598.3 Juvenile works
- 598.5.A-Z By region or country, A-Z
- Landslides. Rockslides
- Including mudflows and mudslides
- 599.A1 Periodicals, societies, congresses, serial publications
- 599.A2 General works, treatises, and textbooks
- 599.A5-Z By region or country, A-Z
- 599.2 Landslide hazard analysis
- For hazard analysis in specific geographic regions
see QE599.A5+
- Subsidences
- 600 Periodicals, societies, congresses, serial publications
- 600.2 General works, treatises, and textbooks
- 600.3.A-Z By region or country, A-Z
- Structural geology
- 601 General works, treatises, and textbooks
- 601.2 Special aspects of the subject as a whole
- 601.3.A-Z Special topics, A-Z
- 601.3.D37 Data processing
- 601.3.S83 Stereographic projection
- 601.8 Problems, exercises, examinations
- 602 Stratification
- 604 Deformation
- 605 Joints and cleavages
- Faults and folds
- 606 General works, treatises, and textbooks
- 606.5.A-Z By region or country, A-Z
- Geosynclines

- Dynamic and structural geology
Structural geology
Geosynclines -- Continued
607 General works, treatises, and textbooks
607.5.A-Z By region or country, A-Z
(608) Metamorphism
see QE475
Veins, dikes, necks, bosses, laccoliths, and other intrusive
bodies
Cf. TN263 Ore deposits
611 General works, treatises, and textbooks
611.5.A-Z By region or country, A-Z
Cryptoexplosion structures
613 General works, treatises, and textbooks
613.5.A-Z By region or country, A-Z
Basins. Sedimentary basins
615 General works, treatises, and textbooks
615.5.A-Z By region or country, A-Z
Mountain building. Orogeny
621 General works
621.5.A-Z By region or country, A-Z
625 Effects of plants, animals, and man in geology
Cf. QR103 Geomicrobiology
Geographical divisions
North America
626 General works
United States
627 General works
627.5.A-Z By region or state, A-Z
Canada
628 General works
628.5.A-Z By region, province, or territory, A-Z
Mexico
629 General works
629.5.A-Z By region or state, A-Z
Central America
630.A1 General works
630.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland
West Indies. Caribbean Area
631.A1 General works
631.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland
South America
632.A1 General works
632.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland

- Dynamic and structural geology
Geographical divisions -- Continued
- Europe
- 633.A1 General works
633.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland
- Asia
- 634.A1 General works
634.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland
- Africa
- 635.A1 General works
635.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland
- Australia
- 636 General works
636.5.A-Z By region, state, or territory, A-Z
- New Zealand
- 637 General works
637.5.A-Z By region or statistical area, A-Z
- Pacific islands
- 638.A1 General works
638.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland
- Arctic regions
- 639.A1 General works
639.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland
- Antarctica
- 639.5.A1 General works
639.5.A3-Z By region, country, or island, A-Z
Offshore islands generally class with adjacent mainland
- Stratigraphy
- Prefer stratigraphic to geographical classification
For historical geology see QE28.3
- 640 Periodicals, societies, congresses, serial publications
645 Nomenclature, terminology, notation, abbreviations
Class here general works as well as works on the nomenclature
of particular regions, countries, etc.
- 651 General works, treatises, and textbooks
651.5 Cyclostratigraphy
652 Data processing
Stratigraphic correlation
- 652.5 General works
652.55.A-Z By region or country, A-Z
- Precambrian
- 653 General works

Stratigraphy

Precambrian -- Continued

653.3

Archaean

653.5

Proterozoic

Paleozoic

654

General works

(655)

Algonkian. Huronian. Precambrian in general

see QE653

656

Cambrian

660

Ordovician

Silurian

661

General works

(662)

Lower (Ordovician)

see QE660

(663)

Upper (Silurian)

see QE661

665

Devonian

Carboniferous

671

General works

672

Mississippian

673

Pennsylvanian

Cf. TN799.9+ Coal

673.5

Permo-Carboniferous

674

Permian

Mesozoic

675

General works

Triassic

676

General works

677

Lower

678

Middle

679

Upper

Jurassic

681

General works

682

Lower

683

Middle

684

Upper

Cretaceous

685

General works

686

Lower

687

Middle

688

Upper

689

Cretaceous-Tertiary boundary

Cenozoic

690

General works

Tertiary

691

General works

Paleogene

	Stratigraphy
	Cenozoic
	Tertiary
	Paleogene -- Continued
691.5	General works
692	Paleocene
692.2	Eocene
692.8	Eocene-Oligocene boundary
693	Oligocene
	Neogene
693.5	General works
694	Miocene
695	Pliocene
695.5	Pliocene-Pleistocene boundary
	Quaternary
696	General works
	Pleistocene. Glacial epoch
697	General works
698	Cause of the glacial epoch
699	Holocene, Recent
	Geological climate see QE698
	Paleoclimatology see QC884+
	Paleontology
701	Periodicals, societies, congresses, serial publications
702	Collected works (nonserial)
703	Dictionaries and encyclopedias
	Communication of information
704	General works
704.2	Information services
704.3	Computer network resources
	Including the Internet
	History
705.A1	General works
705.A2-Z	By region or country, A-Z
	Biography
707.A2	Collective
	Including directories
707.A3-Z	Individual, A-Z
	e.g.
707.T4	Teilhard de Chardin, Pierre
707.Z8	Zittel, K.A.
	Early works
709	Through 1790
710	1791-1830
	General works, treatises, and textbooks
	Including stratigraphic paleontology
711	1831-1969

Paleontology

General works, treatises, and textbooks -- Continued

711.2

1970-2000

711.3

2001-

713

Comprehensive systematic works

Including both zoological and botanical works

714

Pictorial works and atlases

714.2

Paleoart

Including paleontological illustration

714.3

Popular works

714.5

Juvenile works

714.7

Paleontology as a profession. Vocational guidance

715

Study and teaching

Museums. Exhibitions

Class catalogs of special subjects with the subject, e.g. British

Museum catalog of fossil fishes in QE851

716.A1

General works

716.A2-Z

By region or country, A-Z

Subarrange each country by Table Q5

718

Collection and preservation

Class here general works on collection and preservation of fossils

For works on collection by stratigraphic division see QE724+

For works on collection by geographic division see QE743+

For works on collection and preservation of individual fossils see QE767

Micropaleontology

For fossil biomolecules see QP517.F66

719

General works

719.5

Prokaryotes. Bacteria

719.6

Protista

Cf. QE771+ Protozoa

Cf. QE955 Algae

719.8

Paleobiology

Cf. QE721.2.E85 Evolutionary paleobiology

Paleoecology

General works

720

By region or country, A-Z

720.2.A-Z

720.5

Ichnology. Trace fossils

721

Special aspects of the subject as a whole

721.2.A-Z

Special topics, A-Z

721.2.D37

Data processing

721.2.E85

Evolutionary paleobiology

721.2.E87

Evolutionary paleoecology

721.2.E97

Extinction

- Paleontology
Special topics, A-Z -- Continued
- 721.2.F6 Fossilization. Taphonomy
721.2.M63 Models and modelmaking
721.2.P24 Paleobiogeography
721.2.P3 Paleotemperatures
721.2.S7 Statistical methods
Taphonomy see QE721.2.F6
- 721.2.V3 Variation
- 723 Addresses, essays, lectures
Stratigraphic divisions (General and zoological)
Corresponding classes for stratigraphic geology in QE653+
- Precambrian
- 724 General works
- 724.5 Proterozoic
- Paleozoic
- 725 General works
- 726 Cambrian
- 726.2 Ordovician
- 727 Silurian
- 728 Devonian
- Carboniferous
- 729 General works
- 729.2 Mississippian
- 729.3 Pennsylvanian
- 730 Permian
- Mesozoic
- 731 General works
- 732 Triassic
- 733 Jurassic
- 734 Cretaceous
- 734.5 Cretaceous-Tertiary boundary
- Cenozoic
- 735 General works
- Tertiary
- 736 General works
- Paleogene
- 736.5 General works
- 736.8 Paleocene
- 737 Eocene
- 738 Oligocene
- Neogene
- 738.5 General works
- 739 Miocene
- 740 Pliocene
- Quaternary
- 741 General works

Paleontology

Stratigraphic divisions (General and zoological)

Cenozoic

Quaternary -- Continued

741.2

Pleistocene

741.3

Holocene, Recent

742

Amber fauna and flora

Geographical divisions (General and zoological)

Prefer the stratigraphic divisions above to geographical divisions

743

General works

743.5

Ocean bottom

744

Arctic regions

North America

745

General works

United States

746

General works

747.A-Z

By region or state, A-Z

Canada

748.A1

General works

748.A3-Z

By region or province, A-Z

Offshore islands generally class with adjacent mainland

Mexico

749.A1

General works

749.A3-Z

By region or state, A-Z

Offshore islands generally class with adjacent mainland

West Indies and Bermuda

750.A1

General works

750.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Central America

751.A1

General works

751.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

South America

752.A1

General works

752.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Europe

753

General works

754

Great Britain

755.A-Z

Other regions or countries, A-Z

Asia

756.A1

General works

756.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Africa

- Paleontology
 - Geographical divisions (General and zoological)
 - Africa -- Continued
 - 757.A1 General works
 - 757.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland
 - Australia
 - 758.A1 General works
 - 758.A3-Z By region, state, or territory, A-Z
 - Offshore islands generally class with adjacent mainland
 - 758.5 New Zealand
 - 759.A-Z Pacific islands, A-Z
 - Arctic regions see QE744
 - 760 Antarctica
 - Paleozoology
 - 760.8 Periodicals, societies, congresses, serial publications
 - 761 General works, treatises, and textbooks
 - 763 Popular works
 - 765 Juvenile works
 - 766 Marine animals
 - 767 Plankton
 - For stratigraphic divisions see QE724+
 - For geographical divisions see QE743+
 - Invertebrates
 - 770 General works, treatises, and textbooks
 - Protozoa
 - 771 General works, treatises, and textbooks
 - 772 Foraminifera
 - 773 Radiolaria
 - 774.A-Z Other Protozoa, A-Z
 - (774.D5) Dinoflagellates
 - see QE955
 - 774.F5 Flagellata. Mastigophora
 - 774.P6 Polycystida
 - 774.T5 Thecamoebae. Testacea
 - 774.T55 Tintinnida
 - 775 Porifera (Sponges)
 - Cnidaria
 - 777 General works, treatises, and textbooks
 - 778 Anthozoa (Corals)
 - 779 Hydrozoa. Stomatoporoidea
 - For Graptolithina see QE840.5
 - 780 Scyphozoa
 - Including Scyphomedusae and Conulata
 - 780.5 Ctenophora
 - Echinodermata
 - 781 General works, treatises, and textbooks

Paleozoology

Invertebrates

Echinodermata -- Continued

782

Crinozoa. Crinoidea

783.A-Z

Other divisions, A-Z

783.A7

Asteroidea (True starfish)

783.B6

Blastoidea

783.C9

Cystoidea

783.D5

Diploporita

783.E2

Echinoidea

783.E3

Edrioasteroidea

783.H7

Holothurioidea

783.O6

Ophiuroidea

783.P3

Paracrinoidea

783.S8

Stelleroidea

783.S89

Stylophora

791

Worms and other vermiform invertebrates

Brachiopoda

796

General works, treatises, and textbooks

797.A-Z

Systematic divisions, A-Z

797.A65

Articulata

797.A69

Athyrididae

797.A7

Atrypidae

797.C95

Cyrtinidae

797.D3

Delthyrididae

797.D5

Dielasmatidae

797.D6

Discinidae

797.I5

Inarticulata

797.K5

Kingenidae

797.L7

Lingulidae

797.O2

Obolidae

797.O7

Orthida

797.O75

Orthidae

797.P3

Paterinidae

797.P39

Pentamerida

797.P4

Pentameridae

797.P5

Playtstrophinae

797.P9

Productidae

797.R5

Rhynchonellida

797.S4

Septirhynchiidae

797.S7

Spiriferidae

797.S8

Stringocephalidae

797.S89

Strophomenida

797.S9

Strophomenidae

797.T29

Terebratulida

(797.T3)

Terebratulidae

see QE797.T29

Paleozoology

Invertebrates

Brachiopoda

Systematic divisions, A-Z -- Continued

797.T5

Thecidellinidae

797.T8

Trimerellidae

797.Z4

Zeilleriidae

Bryozoa. Polyzoa

798

General works, treatises, and textbooks

799.A-Z

Systematic divisions, A-Z

799.C5

Cheilostomata

799.C7

Cryptostomata

799.C8

Ctenostomata

799.C9

Cyclostomata

799.E95

Expletocystida

799.G95

Gymnolaemata

799.M6

Monticuliporidae

799.S74

Stenolaemata

799.T7

Trepotomata

Mollusca

801

General works, treatises, and textbooks

805

Monoplacophora. Amphineura. Aplacophora.

Polyplacophora

Cephalopoda

806

General works, treatises, and textbooks

807.A-Z

Systematic divisions, A-Z

807.A25

Actinoceratidae

807.A5

Ammonoidea

807.B4

Belemnitida

807.C65

Clymeniida

807.C7

Coleoidea

807.D5

Dibranchiata

Ecdyceras see QE807.H4

807.E4

Ellesmeroceratidae

807.E5

Endoceratoidea

807.G56

Goniitidae

807.H4

Hebetoceratidae

807.L3

Lamellorthoceratidae

807.L7

Liparoceratidae

807.L98

Lytoceratidae

807.N4

Nautiloidea

807.O8

Orthoceratidae

807.P69

Placenticeratidae

807.S3

Salterellidae

807.S4

Sepiida

807.W8

Wutinoceratidae

Gastropoda

Paleozoology
Invertebrates
Mollusca

Gastropoda -- Continued

- 808 General works, treatises, and textbooks
- 809.A-Z Systematic divisions, A-Z
- 809.A18 Actaeonellidae
- 809.A2 Actaeonidae
- 809.A72 Archaeogastropoda
- 809.B8 Buccinidae
- 809.C4 Ceratopeidae
- 809.C48 Columbelloidae
- 809.C52 Conidae
- 809.C9 Cypraeidae
- 809.E55 Eotomariidae
- 809.E64 Epitoniidae
- 809.E9 Euomphalidae
- 809.F3 Fascioliidae
- 809.M25 Macluritidae
- 809.M4 Mesogastropoda
- 809.M8 Murchisoniata
- 809.M85 Muricidae
- 809.N3 Nassariidae
- 809.N32 Naticidae
- 809.N45 Neritidae
- 809.O44 Olividae
- 809.O6 Opisthobranchia
- 809.P5 Platyceratidae
- 809.P7 Prosobranchia
- 809.P8 Pteropoda
- 809.P9 Pulmonata
- 809.P95 Pyramidellidae
- 809.T5 Thaididae
- 809.T88 Turridae
- 809.T9 Turritellidae
- 809.V2 Valencienniidae
- 809.V3 Vasidae
- 809.V7 Volutidae
- 809.Z9 Zonitidae

Bivalvia. Lamellibranchia. Pelecypoda

- 811 General works, treatises, and textbooks
- 812.A-Z Systematic divisions, A-Z
- 812.A8 Arcidae
- (812.A84) Astartidae
 - see QE812.V45
- 812.B83 Buchiidae
- 812.C3 Cardiidae

QE

Paleozoology

Invertebrates

Mollusca

Bivalvia. Lamellibranchia. Pelecypoda

Systematic divisions, A-Z -- Continued

812.C35	Carditidae
812.C5	Chondrodontidae
812.C6	Conocardiidae
	Cypricardiacea see QE812.T34
812.D5	Diceratidae
812.D7	Dreissenidae
812.G7	Grammysiidae
812.G78	Gryphaeidae
812.H34	Halobiidae
812.H57	Hippuritidae
812.H573	Hippuritoida (Rudists)
812.I5	Inoceramidae
	Leptonacea see QE812.V45
812.M2	Mactridae
812.M48	Megalodontacea
812.M6	Monotidae
812.M9	Myalinidae
812.M94	Mytilidae
812.N6	Noetiidae
812.N8	Nucloidae
812.O8	Ostreidae
812.O87	Ostreoida
812.P38	Pectinacea
812.P4	Pectinidae
812.P48	Pholadidae
812.P5	Pholadomyoida
812.P65	Praeheterodonta
812.P7	Pterinidae
812.R33	Radiolitidae
(812.R8)	Rudista
	see QE812.H573
812.S6	Solemyidae
812.T3	Tancrediidae
812.T34	Teleodesmacea
812.T37	Tellinidae
812.T4	Teredinidae
(812.T7)	Trigoniidae
	see QE812.T74
812.T74	Trigonioida
812.U6	Unionidae
812.V4	Veneridae
812.V45	Veneroida

- Paleozoology
Invertebrates
Mollusca -- Continued
813 Scaphopoda
814 Rostroconchia
Arthropoda
815 General works, treatises, and textbooks
Crustacea. Mandibulata
816 General works, treatises, and textbooks
817.A-Z Systematic divisions, A-Z
817.A6 Amphipoda
817.A7 Arthrostraca
817.B7 Branchiopoda
817.C5 Cirripedia
817.C6 Conchostraca
817.C7 Copepoda
817.D3 Decapoda
817.E5 Entomostraca
817.I8 Isopoda
817.L5 Leptostraca
817.M3 Malacostraca
817.O8 Ostracoda
Phyllopoda see QE817.B7
817.S3 Schizopoda
817.S8 Stomatopoda
Protarthropoda. Trilobitomorpha
821 General works, treatises, and textbooks
823.A-Z Systematic divisions, A-Z
823.A35 Agnostida
823.C6 Corynexochida
823.M3 Marrellidae
823.P4 Pentastomida
823.P5 Phacopida
823.P76 Proëtidae
823.P79 Ptychopariida
823.R4 Redlichiida
823.T2 Tardigrada
Chelicerata. Merostomata. Arachnida
825 General works, treatises, and textbooks
826.A-Z Systematic divisions, A-Z
826.A2 Acarina (Acari)
826.A6 Araneida (Araneae)
826.C5 Chernetidae (Pseudoscorpiones)
826.E8 Eurypterida
826.O63 Opiliones
826.P3 Pedipalpi

- Paleozoology
Invertebrates
Arthropoda
Chelicerata. Merostomata. Arachnida
Systematic divisions, A-Z -- Continued
(826.P5) Phalangida
see QE826.O63
826.S4 Scorpionida
826.S6 Solifugae
826.X5 Xiphosurida
Myriapoda
828 General works, treatises, and textbooks
829.A-Z Systematic divisions, A-Z
829.C5 Chilopoda
829.D5 Diplopoda
Hexapoda. Insects
831 General works, treatises, and textbooks
832.A-Z Systematic divisions, A-Z
832.A53 Anisoptera (Dragonflies)
832.A55 Anoplura
832.B55 Blattaria (Cockroaches)
832.C6 Coleoptera (Beetles)
832.C63 Collembola (Springtails)
832.D47 Dermaptera (Earwigs)
832.D6 Diptera (Flies, midges, mosquitoes)
832.E52 Embioptera
832.E65 Ephemeroptera (Mayflies)
832.H4 Hemiptera (True bugs)
832.H65 Homoptera
832.H9 Hymenoptera (Ants, bees, wasps)
832.I8 Isoptera (Termites)
832.L5 Lepidoptera (Butterflies and moths)
832.M34 Mallophaga (Biting lice)
832.M43 Mecoptera (Scorpionflies)
832.N5 Neuroptera
832.O36 Odonata
832.O7 Orthoptera
832.P45 Phasmatoptera (Stick insects)
832.P55 Plecoptera (Stoneflies)
832.P83 Psocoptera (Book lice)
832.S47 Siphonaptera (Fleas)
832.S87 Strepsiptera
832.T5 Thysanoptera (Thrips)
832.T8 Trichoptera (Caddisflies)
Chordata
840.5 Cephalochordata. Tunicata. Hemichordata. Enteropneusta.
Pterobranchia. Graptolithina

Paleozoology

Chordata -- Continued

Vertebrates

- 841 General works, treatises, and textbooks
842 Juvenile works
845 Fossil footprints
846 Fossil teeth
847 Amniotes
Fishes
851 General works, treatises, and textbooks
851.2 Ichthyoliths
852.A-Z Systematic divisions, A-Z
852.A25 Acipenseriformes
852.A33 Agnatha
852.A4 Amiiformes
852.A5 Anaspida
852.A53 Anguilliformes
852.A7 Arthrodira
852.B47 Beryciformes
852.C48 Chimaeriformes
852.C52 Chondrichthyes
852.C55 Clupeiformes
852.C58 Coelacanthiformes
852.C6 Coelolepida
852.C7 Crossopterygii
852.C95 Cypriniformes
852.D5 Dipnoi
852.D7 Drepanaspididae
852.E55 Edestidae
(852.E6) Elasmobranchii
see QE852.C52
852.E65 Elopiformes
852.G26 Gadiformes
Ganoidei see QE852.S4
852.G37 Gasterosteiformes
852.G65 Gonorhynchiformes
852.H4 Heterostraci
(852.H7) Holocephali
see QE852.C48
852.I35 Ichthyodectiformes
852.L35 Lamniformes
852.L45 Leptolepiformes
852.O45 Osteichthyes
852.O5 Osteostraci
852.P3 Palaeonisciformes
852.P4 Perciformes
852.P45 Pholidophoriformes

Paleozoology

Chordata

Vertebrates

Fishes

Systematic divisions, A-Z -- Continued

852.P5

Placodermi

Plagiostomi see QE852.C52

852.P8

Ptycholepiiformes

852.P9

Pycnodontiformes

852.R35

Rajiformes

852.R4

Redfieldiiformes

852.S2

Salmoniformes

852.S4

Semionotiformes

(852.T2)

Teleostei

see QE852.O45

852.T48

Tetraodontiformes

853

Fossil otoliths

Reptiles

861

General works, treatises, and textbooks

Dinosaurs

Class here works on dinosaurs in general

For works on specific orders of dinosaurs see

QE862.A+

861.2

Periodicals, societies, congresses, serial publications

861.3

Dictionaries and congresses

861.35

Computer network resources

Including the Internet

861.4

General works

861.5

Juvenile works

861.6.A-Z

Special topics, A-Z

861.6.B44

Behavior

861.6.E35

Eggs

861.6.E95

Extinction

861.6.F45

Flight

861.6.T72

Tracks

By region or country

United States

861.7

General works

861.8.A-Z

By region or state, A-Z

Subarrange each state by Table Q4

861.9.A-Z

Other regions or countries, A-Z

Subarrange each state by Table Q4

861.95

Miscellany and curiosa

862.A-Z

Other systematic divisions, A-Z

862.C5

Chelonia. Testudinata

862.C7

Cotylosauria

862.C8

Crocodylia

Paleozoology
Chordata
Vertebrates
Reptiles

Systematic divisions, A-Z -- Continued

- (862.D4) Dicynodontia
 - see QE862.T5
- (862.D5) Dinosaurs
 - see QE861.2+
- 862.E9 Eunotosauridae
- 862.I2 Ichthyosauria
- 862.L2 Lacertilia
- 862.N7 Nothosauria
- 862.O6 Ophidia. Serpentes
- 862.O65 Ornithischia
- Ornithosauria see QE862.P7
- 862.P3 Pelycosauria
- 862.P35 Phytosauria
- 862.P37 Placodontia
- 862.P4 Plesiosauria
- 862.P7 Pterosauria
- Pythonomorpha see QE862.L2
- 862.R5 Rhynchocephalia
- 862.S3 Saurischia
- 862.S33 Sauropterygia
- 862.S65 Squamata
 - Cf. QE862.L2 Lacertilia
 - Cf. QE862.O6 Ophidia
- (862.S8) Synapsida
 - see QE861
- 862.T4 Thalattosauria
- 862.T47 Thecodontia
- 862.T5 Therapsida
- Amphibians. Batrachia
- 867 General works, treatises, and textbooks
- 868.A-Z Systematic divisions, A-Z
 - 868.A46 Aistopoda
 - 868.A48 Anthracosauria
 - 868.A5 Anura
 - 868.A6 Apoda
 - 868.B7 Branchiosauridae
 - 868.C2 Caudata
 - 868.D5 Dissorophidae
 - Ecaudata see QE868.A5
 - 868.I25 Ichthyostegalia
 - 868.L3 Labyrinthodontia
 - 868.M53 Microsauria

QE

Paleozoology

Chordata

Vertebrates

Amphibians. Batrachia

Systematic divisions, A-Z -- Continued

868.P4

Pelobatidae

868.P5

Pipidae

868.R5

Rhachitomi

868.R53

Rhytidosteidae

Stegocephala see QE868.L3

Birds

871

General works, treatises, and textbooks

872.A-Z

Systematic divisions, A-Z

872.A15

Accipitres

872.A2

Aepyornithes

872.A3

Alcidae

872.A6

Anseriformes

872.A7

Apterygidae

872.A8

Archaeonithes (Sauriurae)

(872.A9)

Ardeiformes

see QE872.C53

872.C3

Casuariiformes

872.C53

Ciconiiformes

Coccyges see QE872.C9

872.C65

Coliiformes

872.C7

Columbidae

872.C75

Colymbidae (Gaviidae)

872.C77

Confuciusornithiformes

872.C8

Coraciiformes

872.C9

Cuculiformes

872.D5

Dinornithiformes

872.E52

Enantiornithiformes

872.G15

Galliformes (Galli)

872.G27

Gastornithiformes

Gaviidae see QE872.C75

Gressores see QE872.C53

872.G8

Gruiformes (Ralliformes)

872.O2

Odontognathae (Odontoholcae)

872.O6

Opisthocomidae

872.P2

Passeriformes

872.P4

Pelicaniformes

872.P5

Piciformes

872.P6

Podargidae

872.P65

Prophaethontiformes

872.P7

Psittaciformes

872.P8

Pteroclididae

Ralliformes see QE872.G8

Paleozoology

Chordata

Vertebrates

Birds

Systematic divisions, A-Z -- Continued

872.R37

Ratites

872.R4

Rheiformes

Sauriruae see QE872.A8

872.S4

Sphenisciformes

872.S5

Steatornithes

Steganpodes see QE872.P4

872.S8

Strigiformes

872.S9

Struthioniformes

Teratornis see QE872.V9

872.T5

Threskiornithidae (Ibises and spoonbills)

872.T56

Tinamiformes

872.V9

Vulturidae

875

Fossil eggs

Mammals

881

General works, treatises, and textbooks

882.A-Z

Systematic divisions, A-Z

882.C15

Carnivora

882.C5

Cetacea

882.C8

Chiroptera

882.C84

Cimolesta

882.C9

Creodonta

882.D4

Deltatheridia

882.D45

Desmostylia

882.D6

Docodonta

882.E2

Edentata. Xenarthra

882.E75

Erinaceomorpha

Cf. QE882.I5 Insectivora. Insectivores

882.E86

Eupantotheria

882.H47

Herbivora

882.I5

Insectivora. Insectivores

Cf. QE882.E75 Erinaceomorpha

Cf. QE882.S67 Soricomorpha

882.L3

Lagomorpha

882.M25

Macroscelidea

Marsupialia

882.M3

General works

882.M32

Dasyuromorphia

882.M33

Didelphimorphia

882.M34

Diprotodontia

882.M35

Microbiotheria

882.M36

Notoryctemorphia

882.M37

Paucituberculata

- Paleozoology
 - Chordata
 - Vertebrates
 - Mammals
 - Systematic divisions, A-Z
 - Marsupialia -- Continued
 - 882.M38 Peramelemorphia
 - 882.M39 Sparassodonta
 - 882.M6 Monotremata
 - 882.M8 Multituberculata
 - 882.N6 Notoungulata
 - 882.P3 Pantotheria
 - 882.P45 Pholidota
 - 882.P5 Pinnipedia
 - 882.P7 Primates
 - Cf. GN282+ Human paleontology
 - 882.P8 Proboscidea
 - 882.R6 Rodentia
 - 882.S32 Scandentia
 - 882.S6 Sirenia
 - 882.S67 Soricomorpha
 - Cf. QE882.I5 Insectivora. Insectivores
 - 882.T34 Taeniodontia
 - (882.T49) Theria
 - see QE881
 - (882.T5) Tillodontia
 - see QE882.C84
 - 882.T8 Tubulidentata
 - Ungulates
 - 882.U2 General works
 - 882.U3 Artiodactyla
 - 882.U6 Perissodactyla
 - 882.U8 Other
 - e.g. Dinocerata, Toxodontia
 - Xenarthra see QE882.E2
 - Fossils of doubtful affinity or origin
 - 899 General works
 - 899.2.A-Z Special groups, A-Z
 - 899.2.A37 Acritarchs
 - 899.2.C65 Conodonts
 - 899.2.C67 Coprolites
 - 899.2.D32 Dacryoconarida
 - 899.2.T45 Tentaculitida
 - Paleobotany
 - 901 Periodicals, societies, congresses, serial publications
 - 903 Nomenclature, terminology, notation, abbreviations
 - History

- Paleobotany
- History -- Continued
- 904.A1 General works
- 904.A2-Z By region or country, A-Z
- Biography
- 904.5 Collective
- Including directories
- 904.52.A-Z Individual, A-Z
- e.g.
- 904.52.S4 Seward, Sir Albert Charles, 1863-1941
- 905 General works, treatises, and textbooks
- 906 Juvenile works
- 907 Pictorial works and atlases
- Museums. Exhibitions
- 908.A1 General works
- 908.A2-Z By region or country, A-Z
- Subarrange each country by Table Q5
- 909 Study and teaching. Research
- 911 Addresses, essays, lectures
- Stratigraphic divisions
- Precambrian
- 914 General works
- 914.5 Proterozoic
- Paleozoic
- 915 General works
- 916 Cambrian
- 916.5 Ordovician
- 917 Silurian
- 918 Devonian
- Carboniferous
- 919 General works
- 919.3 Mississippian
- 919.5 Pennsylvanian
- 920 Permian
- Mesozoic
- 921 General works
- 922 Triassic
- 923 Jurassic
- 924 Cretaceous
- Cenozoic
- 925 General works
- Tertiary
- 926 General works
- Paleogene
- 926.5 General works
- 927 Paleocene
- 927.2 Eocene

	Paleobotany
	Stratigraphic divisions
	Cenozoic
	Tertiary
	Paleogene -- Continued
928	Oligocene
	Neogene
928.5	General works
929	Miocene
930	Pliocene
	Quaternary
931	General works
931.2	Pleistocene
931.3	Holocene, Recent
932	Amber flora
	Geographical divisions
	Prefer the stratigraphic divisions
934	Arctic regions
	North America
935	General works
	United States
936	General works
937.A-Z	By region or state, A-Z
	Canada
938.A1	General works
938.A3-Z	By region or province, A-Z
	Mexico
939.A1	General works
939.A3-Z	By region or state, A-Z
	West Indies. Caribbean Area
940.A1	General works
940.A3-Z	By region, country, or island, A-Z
	Offshore islands generally class with adjacent mainland
	Central America
941.A1	General works
941.A3-Z	By region, country, or island, A-Z
	Offshore islands generally class with adjacent mainland
	South America
942.A1	General works
942.A3-Z	By region, country, or island, A-Z
	Offshore islands generally class with adjacent mainland
	Europe
943	General works
944	Great Britain
945.A-Z	Other regions or countries, A-Z
	Asia
946.A1	General works

Paleobotany

Geographical divisions

Asia -- Continued

946.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Africa

947.A1

General works

947.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Australia

948.A1

General works

948.A3-Z

By state or territory, A-Z

Offshore islands generally class with adjacent mainland

948.2

New Zealand

949.A-Z

Pacific islands, A-Z

950

Antarctica

Systematic divisions

955

Algae

Including Characeae, Dasycladaceae, diatoms,
dinoflagellates, nannofossils, and stromatolites

958

Fungi

959

Bryophyta (Liverworts and mosses)

Pteridophyta

960

General works

960.5

Psilophyta. Psilopsida

961

Pterophyta. Polypodiophyta (Ferns)

965

Sphenopsida. Equisetophyta

Hyeniales, Pseudoborniales, Calamitales, Equisetales,
Sphenophyllales

971

Lycopsida

Protolpidodendrales, Lepidodendrales, Pleuromeiales,
Isoetales, Lycopodiales, Selaginellales

Gymnosperms. Pinophyta

975

General works

Cycadophyta

976

General works

976.2

Cycadales

976.3

Cycadeoidales

976.4

Pteridospermales

Coniferophyta

977

General works

977.2

Coniferales

977.3

Ginkgoales

977.4

Gnetales

977.5

Taxales

978

Cordaitales

Angiospermophyta. Magnoliophyta

	Paleobotany
	Systematic divisions
	Angiospermophyta. Magnoliophyta -- Continued
980	General works
981	Monocotyledons
983	Dicotyledons
989	Plants of unascertained position
990	Coal balls
991	Fossil woods. Fossil trees
992	Fossil leaves
	Palynology
993	General works
993.2	Fossil pollen
996	Fossil spores
996.5	Fossil fruit and seeds

Natural history (General)

Periodicals, societies, congresses, serial publications

1

English

3

French

5

German

7

Other languages (not A-Z)

9

Collected works (nonserial)

9.5

International Biological Programme

11

Voyages and expeditions

Cf. Q115+ Scientific expeditions

Cf. QK5 Botanical expeditions

Cf. QL5 Zoological expeditions

13

Dictionaries and encyclopedias

Communication of information

13.2

General works

13.3

Information services

13.4

Computer network resources

Including the Internet

13.45

Natural history literature

14

Authorship

14.3

Philosophy

History

15

General works

21.A-Z

By region or country, A-Z

Biography

26

Collective

31.A-Z

Individual, A-Z

e.g.

31.A2

Agassiz

Audubon, John James see QL31.A9

31.D2

Darwin, Charles

31.H3

Haller

Linnaeus see QH44

31.M45

Mendel

31.W58

White, Gilbert

35

Directories

41

Pre-Linnaean works (through 1735)

Cf. QK41 Botany

Cf. QL41 Zoology

Works of Linnaeus (General)

43

General works

43.5

Minor works of Linnaeus

44

Works about Linnaeus

General works, treatises, and advanced textbooks

45

1736-1969

45.2

1970-

45.5

Popular works

QH	NATURAL HISTORY (GENERAL)	QH
46	Pictorial works and atlases Cf. TR721+ Nature photography	
46.5	Natural history illustration	
47	Elementary textbooks	
48	Juvenile works	
49	Vocational guidance Study and teaching. Research. Nature study Cf. QH318.5 Biology fieldwork	
50.5	Directories	
51	General works	
53	Outlines, syllabi. Nature study manuals	
54	Problems, exercises, examinations	
54.5	Activity programs	
55	Experiments	
57	Audiovisual aids	
58	Nature trails Cf. HV1664.N38 Natural history for people with visual disabilities	
	Technique	
60	General works	
60.2	Data processing	
	Collection and preservation	
61	General works, treatises, and textbooks	
63	Instruments and apparatus	
68	Vivariums. Terrariums Cf. SB417 Glass gardens. Wardian cases Aquariums (Home and school) see SF456+ Aquariums (Public) see QL78+ Museums. Exhibitions For research serial publications see QH1+ General works By region or country, A-Z Subarrange each country by Table Q5	
70.A1		
70.A2-Z		
72	Commercial lists, catalogs, etc. Nature conservation. Landscape protection. Biodiversity conservation. Endangered species and ecosystems (General). Habitat conservation. Ecosystem management. Conservation biology Including natural areas, nature reserves, wilderness areas, biosphere reserves, ecological reserves, environmentally sensitive areas Cf. GF90+ Landscape assessment Cf. GV191.67.W5 Recreational aspects of wilderness areas Cf. QH91.8.B6 Marine biology Cf. SK351+ Wildlife management areas	
75.A1	Periodicals, societies, congresses, serial publications	

- Nature conservation. Landscape protection. Biodiversity conservation. Endangered species and ecosystems (General). Habitat conservation. Ecosystem management. Conservation biology -- Continued
- 75.A3-Z General works, treatises, and textbooks
By region or country
United States
- 76 General works
- 76.5.A-Z By region or state, A-Z
- 77.A-Z Other regions or countries, A-Z
- 78 Extinction (Biology)
Cf. QE721.2.E97 Paleontology
Cf. QL88+ Animal extinction
- 81 Addresses, essays, lectures. Nature books
Cf. GV191.2+ Outdoor life. Outdoor recreation
Cf. QH53 School manuals of nature study
Cf. QH58 Nature trails
Edible plants and animals. Wild food gathering
For cultivated plants and animals see S1+
Cf. QK98.5.A1+ Edible wild plants
Cf. QK617 Edible mushrooms
Cf. SH400+ Seafood gathering
Cf. SH401+ Fishing
Cf. SK1+ Hunting
- 82 General works
- 82.3.A-Z By region or country, A-Z
- 83 Classification. Nomenclature
Cf. QK91+ Plant classification
Cf. QL351+ Animal classification
- 83.5 Terminology, notation, abbreviations
Geographical distribution. Biogeography. Phylogeography
Cf. QH543.3 Dispersal of organisms by environmental factors
- 84 General works, treatises, and textbooks
Cold regions. Polar regions
Including Arctic regions
- 84.1 General works
- 84.2 Antarctica
- 84.3 Temperate regions
- 84.5 Tropics
Cf. QH86 Rain forests
Physiographic divisions
Land
For biology of a particular place see QH101+
- 84.8 Soils
- 85 Islands

Geographical distribution. Biogeography. Phylogeography

Physiographic divisions

Land -- Continued

86

Forests

Including rain forests, old growth forests, etc.

87

Mountains

87.2

Valleys

87.3

Wetlands

Including marshes, swamps, moors, bogs, etc.

(87.5)

Moors

see QH87.3

87.7

Prairies. Grasslands

88

Deserts

88.5

Dunes

89

Caves

Water. Aquatic biology

For aquatic biology of a particular place see QH101+

Cf. GB855+ Natural water chemistry

90.A1

Periodicals, societies, congresses, serial publications

90.A4

Collected works (nonserial)

90.A5-Z

General works, treatises, and textbooks

90.1

Addresses, essays, lectures

90.15

Popular works

90.16

Juvenile works

90.17

Pictorial works and atlases

90.2

Dictionaries and encyclopedias

90.25

History

For local history see QH101+

Biography

90.3.A2

Collective

90.3.A3-Z

Individual, A-Z

90.35

Directories

90.45

Aquatic biology as a profession. Vocational guidance

Study and teaching. Research

90.5

General works

90.53

Outlines, syllabi

90.55

Laboratory manuals

90.56

Collection and preservation

Research methods and apparatus

90.57.A1

General works, treatises, and textbooks

90.57.A3-Z

Special, A-Z

90.57.A77

Artificial substrates

90.57.B5

Biological assay. Biological assessment

90.57.D7

Dredging

Laboratories and stations

Cf. QH91.6+ Marine laboratories

Cf. QH96.6+ Freshwater laboratories

Geographical distribution. Biogeography. Phylogeography

Physiographic divisions

Water. Aquatic biology

Laboratories and stations -- Continued

90.6

General works

90.65.A-Z

By region or country, A-Z

Subarrange each country by Table Q6

Museums. Exhibitions

Serial publications see QH90.A1

90.7.A1

General works

90.7.A2-Z

By region or country, A-Z

Subarrange each country by Table Q5

Aquatic parks and reserves

90.75.A1

General works, treatises, and textbooks

90.75.A3-Z

By region or country, A-Z

90.8.A-Z

Special topics, A-Z

90.8.B46

Benthos

Biodiversity see QH90.8.B56

90.8.B56

Biological diversity. Biodiversity. Biodiversity conservation

For aquatic biodiversity conservation of a particular region see QH76+

For aquatic biodiversity of a particular region see QH101+

Ecology see QH541.5.W3

90.8.N44

Nekton

90.8.P5

Plankton (General)

Cf. QH91.8.P5 Marine plankton

Cf. QH96.8.P5 Freshwater plankton

Cf. QK933+ Phytoplankton

Cf. QL123 Zooplankton

90.8.T68

Toxicology

Marine biology

Cf. QH541.5.S3 Marine ecology

91.A1

Periodicals, societies, congresses, serial publications

91.A4

Collected works (nonserial)

91.A5-Z

General works, treatises, and textbooks

91.1

Addresses, essays, lectures

91.15

Popular works

91.16

Juvenile works

91.17

Pictorial works and atlases

91.2

Dictionaries and encyclopedias

91.25

History

For local history see QH101+

Biography

91.3.A2

Collective

91.3.A3-Z

Individual, A-Z

Geographical distribution. Biogeography. Phylogeography
 Physiographic divisions

Water. Aquatic biology

Marine biology -- Continued

- 91.35 Directories
- 91.45 Marine biology as a profession. Vocational guidance
- Study and teaching. Research
 - 91.5 General works
 - 91.53 Outlines, syllabi
 - 91.55 Laboratory manuals
 - 91.56 Collection and preservation
- Research methods and apparatus
 - 91.57.A1 General works, treatises, and textbooks
 - 91.57.A3-Z Special, A-Z
 - 91.57.A4 Aeronautics
 - 91.57.B5 Biological assay. Biological assessment
 - 91.57.C68 Counting and measuring
 - 91.57.D7 Dredging
 - 91.57.E4 Electronic data processing
 - 91.57.M38 Mathematical models
 - Measuring see QH91.57.C68
 - 91.57.P4 Photosynthesis determination
 - 91.57.P5 Plankton sampling
 - 91.57.R47 Research ships
- Laboratories and stations
 - 91.6 General works
 - 91.65.A-Z By region or country, A-Z
 - Subarrange each country by Table Q6
- Museums. Exhibitions
 - Serial publications see QH90.A1
 - General works
 - 91.7.A1
 - 91.7.A2-Z By region or country, A-Z
 - Subarrange each country by Table Q5
- Marine parks and reserves
 - 91.75.A1 General works, treatises, and textbooks
 - 91.75.A3-Z By region or country, A-Z
- 91.8.A-Z Special topics, A-Z
 - 91.8.B4 Benthos
 - Biodiversity see QH91.8.B6
 - 91.8.B5 Biological chemistry

Geographical distribution. Biogeography. Phylogeography
 Physiographic divisions

Water. Aquatic biology

Marine biology

Special topics, A-Z -- Continued

91.8.B6

Biological diversity. Biodiversity. Biodiversity
 conservation

For marine biodiversity of a particular region see
 QH101+

For marine biodiversity conservation of a
 particular region see QH76+

For marine biodiversity and biodiversity
 conservation of a particular body of water see
 QH92+

91.8.B63

Biological invasions

91.8.D44

Deep-sea biology

For deep-sea biology of a particular region see
 QH92+

91.8.E3

Echo scattering layers

Ecology see QH541.5.S3

91.8.E87

Eutrophication

91.8.E94

Exotic marine organisms

91.8.M3

Marine borers. Marine fouling organisms

Marine eutrophication see QH91.8.E87

91.8.M34

Marine productivity

91.8.N37

Nekton

91.8.N4

Neuston

91.8.N46

Nitrogen cycle

91.8.O4

Oil pollution

91.8.P5

Plankton

Cf. QK934 Marine phytoplankton

Cf. QL123 Marine zooplankton

91.8.P7

Primary productivity

By region

For marine biology of a particular region or country
 or off the coast of a particular region or country
 see QH101+

Atlantic Ocean

92

General works

North Atlantic Ocean

92.1

General works

Coast of North America

92.2

General works

92.3

Gulf of Mexico

92.4

Caribbean Sea

92.5.A-Z

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- For works limited to specific geographic areas see QH101+
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- 96.1 Addresses, essays, lectures
- 96.15 Popular works
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- 96.8.P7 Primary productivity
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 - 104.5.D4 Death Valley (Calif. and Nev.). Death Valley National Park (Calif. and Nev.)

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- 104.5.S54 Sierra Nevada
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192 Turkey in Asia

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193.B35 Bangladesh

193.B65 Borneo

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193.C8 Cyprus

193.E18 East Asia

193.G35 Ganges River

193.G62 Gobi Desert

193.G64 Golan Heights

193.H5 Himalayan Mountains

193.I7 Iraq

193.I8 Israel. Palestine

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| 193.K57 | Kopet Dag (Turkmenistan and Iran) |
| 193.K6 | Korea |
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| 193.M6 | Mongolia |
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212.D5 Dissecting microscopes

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- 303.6 Biological literature. Life sciences literature
- 304 Authorship
Including practical manuals and stylebooks
Cf. PE1475 Preparation of scientific papers in English
- 304.5 Terminology, notation, abbreviations
For nomenclature see QH83
History and conditions
Cf. QH361 History of evolution
- 305 General works
305.2.A-Z By region or country, A-Z
305.5 Women life scientists. Women biologists
- 306 Early works through 1860
General works and treatises
1861-1969
1970-
- 307 Textbooks
307.2 Advanced
Through 1969
1970-
Elementary
Through 1969
1970-
- 308 Popular works
308.2 Juvenile works
- 309 Handbooks, tables, formulas, etc.
310 Addresses, essays, lectures
311 Special aspects of the subject as a whole
313 Special topics, A-Z
313.5.A-Z Forensic biology
313.5.F67 Biology as a profession. Vocational guidance
314

	Study and teaching. Research
315	General works
315.25	Teacher training
315.3	Audiovisual aids
315.5	Outlines, syllabi
316	Problems, exercises, examinations
316.4	Activity programs
316.5	Experiments
317	Laboratory manuals
318	Biological illustration
318.5	Fieldwork
	Cf. QH58 Nature trails
	By region or country
	United States
319.A1	General works
319.A2-Z	By region or state, A-Z
320.A-Z	Other regions or countries, A-Z
	Biological laboratories and stations
	Class here descriptive works, administrative reports, etc.
	For scientific contributions (serial) see QH301
	Cf. QH90.6+ Aquatic biological laboratories
	Cf. QH91.6+ Marine biological laboratories
	Cf. QH96.6+ Freshwater biological laboratories
321	General works
	By region or country
	United States
321.5	General works
322.A-Z	Individual laboratories and stations. By name, A-Z
323.A-Z	Other regions or countries, A-Z
	Subarrange each country by Table Q6
323.2	Safety measures
323.5	Biometry. Biomathematics. Mathematical models
	Cf. QH507 Information theory in biology
	Methods of research. Technique. Experimental biology
	Cf. QH585+ Cytology
324	General works
324.15	Biological resource centers
	Cf. QH442.4 Gene libraries
	Data processing. Bioinformatics
324.2	General works
324.25	Artificial intelligence
	Tracers
324.3	General works
324.35.A-Z	Special elements. By chemical symbol, A-Z (Table Q1)
324.4	Germfree life
	Instruments and apparatus (General)
324.42	General works

- Methods of research. Technique
Instruments and apparatus (General) -- Continued
324.5 Catalogs of apparatus and supplies
324.8 Biological models
324.9.A-Z Other special, A-Z
324.9.A88 Autoclaving
324.9.A9 Autoradiography
324.9.B48 Biophotometry
324.9.B49 Biophysical labeling
324.9.B5 Biotelemetry
324.9.C3 Calorimetry
324.9.C4 Centrifugation
324.9.C7 Centrifugation, Density gradient see QH324.9.D46
324.9.D46 Cryobiology. Freeze-drying
324.9.E36 Density gradient centrifugation
324.9.E38 Electron paramagnetic resonance
324.9.E4 Electron probe microanalysis
324.9.E44 Electrophoresis
324.9.E5 Ellipsometry
324.9.E5 Enzymatic analysis
(324.9.F38) Flow cytometry
see QH585.5.F56
324.9.F4 Fluorescence spectroscopy
Freeze-drying see QH324.9.C7
324.9.I5 Infrared spectroscopy
324.9.I8 Isolation perfusion
324.9.L37 Lasers
324.9.L5 Liquid chromatography
324.9.L53 Liquid scintillation counting
324.9.M28 Magnetic resonance
324.9.M3 Manometry
324.9.M5 Microprobe analysis
324.9.N48 Neutron scattering
324.9.N8 Nuclear magnetic resonance
324.9.R3 Radioactivation analysis
324.9.S4 Separation
324.9.S53 Spectrophotometry
324.9.S6 Spectroscopy
324.9.S62 Spin labels
324.9.S95 Synchrotron radiation
324.9.T45 Three-dimensional imaging
324.9.X2 X-ray microanalysis
325 Origin and beginnings of life
326 Exobiology
Cf. QB54 Extraterrestrial life

- Space biology
 - Cf. QK760 Effect of space flight on plants
 - Cf. QP82.2.W4 Physiology of weightlessness
 - Cf. RC1150+ Human space physiology
 - Cf. TL943 Planetary quarantine
 - Cf. TL945 Space vehicle sterilization
- 327 General works
- 328 Space radiobiology
- 331 Philosophy of biology
- 332 Bioethics
 - Cf. R724+ Medical ethics
- 333 Social aspects of biology
- 341 Nature of life, vital force, etc.
- 343 Comparison of living and nonliving matter
- 343.4 Geobiology. Biosphere
- Biogeochemistry
 - Cf. QR103 Geomicrobiology
- 343.7 General works
- 344 Biogeochemical cycles
 - Including cycles of individual elements, e.g. carbon cycle, nitrogen cycle, etc.
- 345 General biochemistry of plants and animals
 - For works limited to chemical aspects of biological materials see QD415+
 - For the biochemistry of special substances see QP525+
 - Cf. QK861+ Plant biochemistry
 - Cf. QP501+ Animal biochemistry
 - Cf. QR148 Microbiological chemistry
- 347 Comparison of plants and animals
- 349 Miscellany and curiosa
- 351 Morphology
 - Cf. QK640+ Plant morphology
 - Cf. QL799+ Animal morphology
- Population biology
 - Cf. HB848+ Demography
 - Cf. QH455 Population genetics
 - Cf. QK910 Vegetation dynamics
 - Cf. QL752 Animal populations
- 352 General works
- 352.5 Population viability analysis
- 353 Biological invasions
 - Cf. QH91.8.B63 Marine biological invasions
- Evolution
 - For classification by organism, see in subclasses QK or QL
 - Cf. BL263 Religion and science
 - Cf. QE701+ Paleontology
- 359 Periodicals, societies, congresses, serial publications

Evolution -- Continued

- 360 Collected works (nonserial)
- 360.2 Dictionaries and encyclopedias
- 360.5 Philosophy
- 360.6 Nomenclature, terminology, notation, abbreviations
- 361 History
- 362 Study and teaching. Research
- 363 Early works through 1860
- Works of Darwin
 - 365.A1 Collected works. By date
 - 365.A2-.Z8 Separate works, A-Z
 - The descent of man
 - 365.D2 Editions. By date
 - 365.D25 Selections. By editor
 - 365.D3-.D79 Translations
 - Arrange alphabetically by language, then Cutter for translator
 - 365.D8 Criticism and reviews
 - The expression of the emotions in man and animals
 - 365.E2 Editions. By date
 - 365.E25 Selections. By editor
 - 365.E3-.E79 Translations
 - Arrange alphabetically by language, then Cutter for translator
 - 365.E8 Criticism and reviews
 - 365.O15-.O18 On the origin of species, previous essays
 - Essays written before or during the period of the creation of the main work
 - On the origin of species
 - 365.O2 Editions. By date
 - 365.O25 Selections. By editor
 - 365.O3-.O79 Translations
 - Arrange alphabetically by language, then Cutter for translator, for example:
 - 365.O5 German
 - 365.O55 Hungarian
 - 365.O68 Romanian
 - 365.O7 Russian
 - 365.O73 Spanish
 - 365.O8 Criticism and reviews
 - The variation of animals and plants under domestication
 - 365.V2 Editions. By date
 - 365.V25 Selections. By editor
 - 365.V3-.V79 Translations
 - Arrange alphabetically by language, then Cutter for translator
 - 365.V8 Criticism and reviews

	Evolution
	Works of Darwin -- Continued
365.Z9	Selections from more than one work. By editor
	General works, treatises, and textbooks
366	1861-1969
366.2	1970-
367	Popular works
367.1	Juvenile works
367.3	Critical works
	Class here works that argue against the theory of evolution
	Cf. BL263 Religion and science
367.5	Phylogenetic relationships
	For the evolution of particular animals and groups of animals,
	see systematic sections, e.g. QL618.2 Evolution of fishes;
	QL708.5 Evolution of mammals
(368)	Human evolution
	see GN281+
(368.5)	Plant evolution (General)
	see QK980
369	Miscellany and curiosa
(371)	Special aspects of the subject as a whole
	see QH371.3.A+
371.3.A-Z	Special aspects of the subject as a whole, A-Z
371.3.M37	Mathematical models
371.5	Macroevolution
372	Coevolution
372.5	Homoplasy
373	Convergence
375	Natural selection
376	Group selection
378	Symbiogenesis
380	Speciation
390	Mutation in evolution. Evolutionary genetics
395	Heterochrony
398	Punctuated equilibrium
	Variation
401	General works
(405)	Statistical methods
	see QH323.5
(406)	Plants
	see QK983
408	Animals
408.5	Phenetics
409	Clines
411	Experimental study
	Hybridization. Hybrid zones
421	General works

- Evolution
Hybridization. Hybrid zones -- Continued
(423) Plants
see QK982
425 Animals
Class particular animals in QL or SF
Cf. SF105+ Animal breeding
- Genetics
Class here general and experimental works in genetics
For studies made on the genetic constitution of an organism in order to elucidate its total function, see systematic divisions in QK, QL, or QR. For genetic studies for improvement of breed or variety, see the plant or animal in S
For endocrine genetics see QP187.5
For immunogenetics see QR184+
- 426 Periodicals, societies, congresses, serial publications
426.5 Collected works (nonserial)
427 Dictionaries and encyclopedias
- History
428 General works
428.2.A-Z By region or country, A-Z
- Biography
429 Collective
429.2.A-Z Individual, A-Z
e.g.
Mendel see QH31.M45
- 429.5 Directories
General works, treatises, and textbooks
- 430 General works
431 Human genetics (General)
Cf. HQ750+ Eugenics
Cf. RB155+ Medical genetics
- 432 Animal genetics (General)
Cf. QH408 Animal variation
Cf. SF105+ Animal breeding
- (433) Plant genetics (General)
see QK981
- 434 Microbial genetics (General)
Cf. QR73 Variation
- 436 Pictorial works and atlases
437 Popular works
437.5 Juvenile works
438 Addresses, essays, lectures
438.4.A-Z Special aspects of the subject as a whole, A-Z
438.4.B55 Biochemical markers. Genetic markers
Genetic markers see QH438.4.B55
438.4.M3 Mathematical models

Genetics

Special aspects of the subject as a whole, A-Z -- Continued

438.4.M33

Mathematics

438.4.S73

Statistical methods

438.5

Heredity and environment. Nature and nurture

438.7

Social and moral aspects

439

Vocational guidance

Study and teaching. Research

440

General works

440.2

Outlines, syllabi

440.3

Problems, exercises, examinations

440.4

Experiments

440.5

Laboratory manuals

Laboratories

440.7

General works

440.8.A-Z

By region or country, A-Z

Subarrange each country by Table Q6

441

Technique

441.2

Data processing

441.5

Cytogenetics

Cf. QH600+ Chromosomes

Cf. QP620+ Nucleic acids

Molecular genetics. Genetic engineering

Cf. QK981.5 Plant genetics

Cf. RB155+ Medical genetics

Cf. TP248.6 Genetic engineering applications

442

General works

442.2

Cloning

442.3

Gene targeting

442.4

Gene libraries

442.6

Transgenic organisms. Transgenic animals

Recombination mechanisms

443

General works

444

Segregation. Assortment

Crossing over

445

General works

Linkage and genetic mapping

445.2

General works

445.5

Sex linkage

445.7

Mosaicism

Genes. Alleles. Genome

Cf. QP98 Blood groups

447

General works

447.2

Dominance and recessiveness

447.5

Conversion

447.6

Polymorphisms

Lethal factors see QH463.5

Genetics

Recombination mechanisms

Genes. Alleles. Genome -- Continued

447.8.A-Z Individual genes and genetic elements, A-Z

447.8.A28 Actin genes

447.8.B46 Beta-glucuronidase genes

447.8.H65 Homeobox genes

Ir genes see QR184.4

Oncogenes see RC268.42

447.8.R47 Reporter genes

447.8.S45 Selfish genetic elements

Recombination in microorganisms

448 General works

448.2 Conjugation

448.3 Transduction

448.4 Transformation

Genetic regulation. Gene expression

450 General works

450.2 Genetic code. Transcription

450.25 RNA editing

450.3 Gene amplification

450.5 Translation. Assembly

450.6 Post-translational modification of proteins

450.7 Epistasis

451 Cell fusion. Cell hybridization

452 Cytoplasmic inheritance

452.2 Microsatellites

Mobile genetic elements

Cf. QH462.148 Insertion elements, DNA

452.3 General works

452.5 Episomes

452.6 Plasmids

Cf. QR76.6 Bacterial plasmids

452.7 Quantitative genetics

452.8 In situ hybridization

453 Developmental genetics

455 Population genetics

Cf. GN289+ Physical anthropology

Cf. HB848+ Population (Economic theory)

456 Ecological genetics

Endocrine genetics see QP187.5

Evolutionary genetics see QH390

Immunogenetics see QR184+

457 Behavior genetics

Cf. BF341+ Heredity of consciousness

Cf. BF699+ Genetic psychology

Genetics -- Continued

Mutations

Cf. QH390 Mutation in evolution

- 460 General works
- 461 Genetic mutation. Polyploidy. Aneuploidy
- Chromosomal mutation
 - 462.A1 General works, treatises, and textbooks
 - 462.A2-Z By type, A-Z
 - 462.B7 Breakage
 - 462.D4 Deletion
 - 462.D8 Duplication
 - 462.G46 Gene fusion
 - 462.I48 Insertion elements, DNA
 - 462.I5 Inversion
 - 462.N65 Nondisjunction
 - 462.T7 Translocation
 - 463 Gene mutation
 - 463.2 Nonsense mutation
 - 463.5 Lethal factors
 - 464 Spontaneous mutation
 - Induced mutation. DNA damage
 - 465.A1 General works, treatises, and textbooks
 - 465.A2-Z By agent, A-Z
 - 465.C3 Caffeine
 - 465.C5 Chemicals (General)
 - 465.C6 Colchicine
 - 465.D55 DNA. Polynucleotides
 - 465.N4 Neutrons
 - 465.O44 Oil shale extracts
 - Polynucleotides see QH465.D55
 - 465.R3 Radiation (General)
 - 465.U4 Ultraviolet rays
 - 465.X2 X-rays
 - 465.5 Site-specific mutagenesis
 - 467 Genetic repair mechanisms
 - 468 Antimutagens
- 470.A-Z Experimental organisms, A-Z
 - Prefer classification by genetic aspect studied
 - 470.A85 Aspergillus
 - 470.C6 Corprinus
 - 470.C64 Corn
 - 470.D7 Drosophila
 - 470.E8 Escherichia
 - Maize see QH470.C64
 - 470.M52 Mice
 - 470.N4 Neurospora
 - 470.O35 Oenothera

- Genetics
 - Experimental organisms, A-Z -- Continued
 - 470.S23 *Saccharomyces cerevisiae*
 - 470.T6 Tobacco mosaic virus
 - 470.T68 *Tradescantia*
 - 470.T7 *Trillium*
- Reproduction
 - Cf. QK825+ Plants
 - Cf. QP251+ Animals
- 471 General works, treatises, and textbooks
 - Asexual
 - Cf. QH442.2 Cloning (Genetic engineering)
 - 475 General works, treatises, and textbooks
 - 477 Fission
 - 479 Budding
 - Sexual
 - 481 General works, treatises, and textbooks
 - 485 Fertilization
 - 487 Parthenogenesis
 - 489 Alternation of generations
 - 491 Development. Morphogenesis
 - Including tissue remodeling
 - Cf. QK665 Plant embryology
 - Cf. QL951+ Animal embryology
- 499 Regeneration
 - Cf. QK840 Plant physiology
 - Cf. QP90.2 Animal physiology
- Life
 - Cf. QK710+ Plants
 - Cf. QP1+ Animals
- 501 General works, treatises, and textbooks
 - Biochemistry see QH345
- 504 Biomagnetism
 - Cf. QP82.2.M3 Physiological effects of magnetic fields
 - Cf. QP345 Human magnetic fields
- 505 Biophysics
- 506 Molecular biology
 - Cf. QP187.3.M64 Molecular endocrinology
- Homeostasis see QP90.4
- 507 Information theory in biology
- 508 Biological control systems
- 509 Biological transport
 - Cf. QH615 Osmosis
- 509.5 Bioelectronics
- 510 Bioenergetics
- 510.5 Bioacoustics
- 511 Growth

Life -- Continued

- 512 Biomineralization
- 513 Biomechanics
 - Cf. QP303 Animal mechanics. Human mechanics
- 513.5 Fluid dynamics
- 514 Movement. Tropisms. Taxes
 - Including attachment mechanisms
- 515 Photobiology
 - Cf. QH641 Bioluminescence
 - Cf. QP517.P45 Photobiochemistry
- 516 Thermobiology
- 517 Electrophysiology
 - Cf. QP341 Animals
 - Cf. QP517.B53 Bioelectrochemistry
- 518 Respiration
- 518.5 Anaerobiosis
- 519 Nutrition
- 521 Metabolism
- 523 Dormancy
- 524 Cryptobiosis. Anhydrobiosis
- 527 Chronobiology. Periodicity. Biorhythms
 - Cf. QP84.6 Physiology
- 528 Degeneration
- 528.5 Longevity
 - Cf. QP85 Animals
- 529 Senescence. Aging
- 530 Death
 - Cf. QH671 Cell death
 - Cf. QP87 Animal death
- 530.5 Biodegradation
 - Cf. QP517.B5 Animals
 - Cf. QR135+ Microbial degradation
- 531 Miscellany and curiosa
- Ecology
 - Class here works on general ecology and general animal ecology.
 - For works on ecology of individual animals and groups of animals, see the animal
 - For human ecology see GF1+
 - For ecology of a particular topographic area see QH101+
 - For plant ecology see QK900+
 - Cf. BL65.E36 Ecology and religion
 - Cf. HX550.E25 Communism and ecology
 - Cf. QH546 Ecological genetics
- 540 Periodicals, societies, congresses, serial publications
- 540.3 Collected works (nonserial)
- 540.4 Dictionaries and encyclopedias
- 540.5 Philosophy

Ecology -- Continued

- 540.6 Nomenclature, terminology, notation, abbreviations
- 540.7 Classification
- History
- 540.8 General works
- 540.83.A-Z By region or country, A-Z
- Biography see QH26+
- 541 General works, treatises, and textbooks
- 541.13 Popular works
- 541.14 Juvenile works
- 541.142 Handbooks, tables, formulas, etc.
- 541.145 Addresses, essays, lectures
- 541.15.A-Z Special aspects of the subject as a whole, A-Z
- 541.15.A9 Autoradiographic techniques
- Biodiversity see QH541.15.B56
- 541.15.B54 Biological assay
- 541.15.B56 Biological diversity. Biodiversity
 - For local, see QH84.1+
 - For physiographic divisions see QH84.8+
 - Cf. QH75+ Biodiversity conservation
 - Cf. QH541.15.S64 Species diversity
 - Cf. QK46.5.D58 Plant diversity
- 541.15.B84 Buffer zones
- 541.15.C44 Chemical ecology
- 541.15.C55 Closed ecological systems
- 541.15.C67 Corridors
- 541.15.D6 Documentation
- 541.15.E19 Ecohydrology
- 541.15.E22 Ecological assessment (Biology)
- 541.15.E24 Ecological heterogeneity
- 541.15.E245 Ecological integrity
- 541.15.E248 Ecological zones
- 541.15.E25 Economic ecology
- 541.15.E26 Ecophysiology
 - Cf. QP82+ Animal ecophysiology
- 541.15.E265 Ecosystem health
- 541.15.E27 Ecotones
 - Including land-water ecotones
- 541.15.E45 Electronic data processing
- 541.15.F66 Food chains. Food webs
- 541.15.F73 Fragmented landscapes
- 541.15.G46 Geographic information systems
- 541.15.H34 Habitat suitability index models
- Health, Ecosystem see QH541.15.E265
- Heterogeneity, Ecological see QH541.15.E24
- 541.15.I5 Indicators (Biology)
- Integrity, Ecological see QH541.15.E245

Ecology

Special aspects of the subject as a whole, A-Z -- Continued

- 541.15.K48 Keystone species
- 541.15.L35 Landscape ecology
- 541.15.M23 Macroecology
- 541.15.M26 Mapping
- 541.15.M3 Mathematical models
 - Cf. QH541.15.H34 Habitat suitability index models
- 541.15.M34 Mathematics
- 541.15.M63 Molecular ecology
- 541.15.M64 Monitoring
- 541.15.N84 Null models
- 541.15.R34 Radioactive tracers
- 541.15.R4 Remote sensing
- 541.15.R45 Restoration ecology
 - For local see QH101+
 - For specific types of environments see QH541.5.A+
- 541.15.R57 Risk assessment
- 541.15.S5 Simulation methods
- 541.15.S62 Spatial ecology
- 541.15.S64 Species diversity
- 541.15.S68 Stable isotopes
- 541.15.S72 Statistical methods
- 541.15.S95 Surveys
 - Including general habitat surveys
- 541.15.T68 Toxicity testing
- Zones, Ecological see QH541.15.E248
- Communication in ecology
- 541.18 General works
- 541.183 Information services
- 541.185 Computer network resources
 - Including the Internet
- Study and teaching. Research
- 541.2 General works
- 541.215 Outlines, syllabi
- Special teaching methods and aids
- 541.22 General works
- 541.23 Audiovisual aids
- 541.235.A-Z Other methods, A-Z
- 541.235.G34 Games
- 541.24 Experiments
- 541.25 Laboratory manuals
- By region or country
- United States
- 541.26 General works
- 541.262.A-Z By region or state, A-Z
- 541.264.A-Z Other regions or countries, A-Z

Ecology -- Continued

- Ecological laboratories and stations
- 541.27 General works
- 541.273.A-Z By region or country, A-Z
- 541.28 Technique
- 541.29 Applied ecology
 - Cf. QH541.15.M64 Monitoring
 - Cf. QH541.15.R45 Restoration ecology
- 541.3 Biological productivity
 - Cf. QK909.5 Vegetation productivity
- 541.5.A-Z By type of environment, A-Z
 - For local see QH101+
 - Abyssal zone see QH541.5.D35
 - Antarctica see QH84.2
 - Aquatic see QH541.5.W3
 - Arctic regions see QH84.1
 - Arid regions
 - Bogs
 - Brackish waters see QH541.5.E8
 - Canals
 - Caves
 - Cerrados see QH541.5.P7
 - Chaparral
 - Cities. Urban ecology
 - Cliffs
 - Cloud forests
 - Coasts
 - Coral reefs and islands. Reefs
 - Coulees
 - Cypress swamps
 - Deep-sea zone. Abyssal zone
 - Including hydrothermal vents
 - Deserts
 - Estuaries. Brackish waters
 - Fjords
 - Floodplains see QH541.5.V3
 - Forests
 - Including forest canopy ecology and old growth forest ecology
 - Cf. QH541.5.C63 Cloud forests
 - Cf. QH541.5.R27 Rain forests
 - Cf. SD416+ Forest influences
 - Cf. SD418+ Deforestation
 - Freshwater
 - Gardens
 - Grasslands see QH541.5.P7
 - Groundwater
 - Heathlands
- 541.5.A74
- 541.5.B63
- 541.5.C24
- 541.5.C3
- 541.5.C5
- 541.5.C6
- 541.5.C62
- 541.5.C63
- 541.5.C65
- 541.5.C7
- 541.5.C73
- 541.5.C95
- 541.5.D35
- 541.5.D4
- 541.5.E8
- 541.5.F56
- 541.5.F6
- 541.5.F7
- 541.5.G37
- 541.5.G76
- 541.5.H43

Ecology

By type of environment, A-Z -- Continued

- 541.5.H65 Hot springs
 - Cf. QH541.5.D35 Hydrothermal vents
 - Cf. QR107 Microbial ecology
- 541.5.H67 Household ecology
- Intertidal zones see QH541.5.S35
- 541.5.I8 Islands
- 541.5.J8 Jungle
- 541.5.K4 Kelp beds
- 541.5.L27 Lagoons
- 541.5.L3 Lakes
 - Cf. QH541.5.S22 Salt lakes
- 541.5.L53 Llanos
- 541.5.M27 Mangrove swamps
- Marine ecology see QH541.5.S3
- 541.5.M3 Marshes. Wetlands
- 541.5.M4 Meadows
- 541.5.M44 Mediterranean-type
 - Cf. QH150 Mediterranean Region
- 541.5.M6 Moors
- 541.5.M65 Mountains
- 541.5.O25 Ocean currents
- Oceans see QH541.5.S3
- 541.5.P6 Polar regions
- 541.5.P63 Ponds
- 541.5.P7 Prairies. Grasslands. Savannas. Cerrados. Steppes
 - Cf. QH541.5.S18 Sagebrush steppes
- 541.5.R27 Rain forests
- 541.5.R3 Rangelands
- Reefs see QH541.5.C7
- 541.5.R4 Reservoirs
- 541.5.R52 Riparian areas
- Rivers see QH541.5.S7
- 541.5.R62 Roads. Roadsides
- 541.5.S18 Sagebrush steppes
- 541.5.S22 Salt lakes
- 541.5.S24 Salt marshes. Tide marshes
- 541.5.S26 Sand dunes
- Savannas see QH541.5.P7
- 541.5.S3 Sea. Marine ecology. Ocean ecology
 - Cf. QH541.5.D35 Deep-sea zone
- 541.5.S35 Seashore. Tidal pools
 - Including intertidal zones
- 541.5.S55 Shrublands
- 541.5.S57 Snow ecology
- 541.5.S6 Soil

Ecology

By type of environment, A-Z -- Continued

541.5.S65

Springs

Cf. QH541.5.H65 Hot springs

Steppes see QH541.5.P7

541.5.S7

Streams

Cf. QH541.5.C73 Coulees

541.5.S87

Sublittoral

541.5.S9

Swamps

Cf. QH541.5.C95 Cypress swamps

Cf. QH541.5.M27 Mangrove swamps

541.5.T3

Taigas

Tidal pools see QH541.5.S35

Tide marshes see QH541.5.S24

541.5.T7

Tropics

541.5.T8

Tundras

541.5.U55

Underground ecology

541.5.U64

Uplands

Cf. QH541.5.M65 Mountains

Urban ecology see QH541.5.C6

541.5.V27

Vacant lots

541.5.V3

Valleys. Floodplains

Cf. QH541.5.C73 Coulees

541.5.W3

Water. Aquatic ecology

Water, Fresh see QH541.5.F7

Wetlands see QH541.5.M3

541.5.X45

Xeric ecology

(542)

Paleoecology

see QE720

Geobiology see QH343.4

542.5

Biogeomorphology

Bioclimatology. Microclimatology

Cf. QH545.T4 Temperature as a factor in ecology

543

General works

543.2

Acclimatization

Cf. QK913 Plant acclimatization

543.3

Dispersal of organisms by environmental factors

Radioecology. Radiobiology

Cf. QH328 Space radiobiology

Cf. QH545.N8 Nuclear power plants, nuclear reactors

Cf. QH545.N83 Nuclear warfare

Cf. QH652+ Radiation effects on cells

543.5.A1

Periodicals. Congresses

543.5.A2

Collected works (nonserial)

543.5.A3-Z

General works, treatises, and textbooks

Aquatic radioecology

543.58

General works

Ecology

Radioecology. Radiobiology

Aquatic radioecology -- Continued

543.6 Marine radioecology

543.8 Brackish water radioecology. Estuarine radioecology

543.9 Freshwater radioecology

543.95 Ultraviolet radiation

544 Phenology

Influence of special factors in the environment

For works on the technical aspects (e.g., control,
measurement, etc.) of pollution in general and of
special kinds of pollution see TD172+

Cf. GF51 Human ecology

Cf. QH343.7+ Biogeochemistry

Cf. QK746+ Plants

Cf. QP82+ Animals

Cf. RA565+ Environmental health

545.A1 General works, treatises, and textbooks

545.A15-Z Special, A-Z

Acid precipitation see QH545.A17

545.A17 Acid rain. Acid precipitation. Acid deposition

545.A2 Acids

545.A23 Actinide elements

545.A25 Agricultural chemicals

545.A3 Air pollution

545.A4 Aldrin

545.A42 All terrain bicycles. All terrain cycling

545.A43 All terrain vehicles

545.A45 Ammonia

545.A77 Arsenic

Atomic warfare see QH545.N83

545.B45 Benzene

545.B47 Beryllium

545.B55 Biological pest control agents

545.B6 Boron

Brines, Oil field see QH545.O47

545.C3 Cadmium

545.C34 Campfires

545.C35 Canals

545.C37 Carbon isotopes

545.C47 Chemical elements

545.C48 Chemical warfare. Chemical weapons

545.C5 Chloroform

545.C52 Cholecalciferol

545.C54 Chromium

545.C545 Cities and towns. Urban growth. Urban sprawl

545.C57 Coal-fired power plants

Ecology

Influence of special factors in the environment

Special, A-Z -- Continued

- 545.C59 Contaminated sediments
- 545.C6 Copper
- 545.C64 Coral fisheries
- 545.C78 Cruise ships
- 545.D35 Dams. Reservoirs
- 545.D4 Deicing chemicals
- Desalination plants see QH545.S33
- 545.D486 Diazinon
- 545.D5 Dichloromethane
- 545.D55 Dioxins
 - Cf. QH545.T44 Tetrachlorodibenzodioxin
- 545.D57 Diquat
- 545.D7 Dredging
- 545.D713 Dredging (Fisheries)
- 545.D72 Dredging spoil
- 545.D74 Drilling muds
- 545.D75 Drilling platforms
- 545.E35 El Niño Current
- 545.E38 Electric power plants
- 545.E4 Electromagnetic waves
- 545.E42 ELF electromagnetic fields
- Energy development see QH545.E53
- 545.E53 Energy industries. Energy development
- Erosion, Soil see QH545.S64
- 545.E98 Exterior lighting
- 545.F47 Fertilizers
- 545.F5 Fire. Fire ecology
- 545.F52 Fish culture
- 545.F53 Fisheries
- 545.F55 Flood control
- Flood dams see QH545.D35
- 545.F67 Forest management
- 545.G37 Gas pipelines
- 545.G46 Geothermal power plants
- 545.G55 Glyphosate
- Growth, Urban see QH545.C545
- 545.H34 Hang gliding
- 545.H42 Heavy metals
- 545.H47 Herbicides
- 545.H49 Hexazinone
- 545.H54 Hiking
- 545.H92 Hydrocarbons
 - Including polycyclic aromatic hydrocarbons
- 545.H93 Hydroelectric power plants

Ecology

Influence of special factors in the environment

Special, A-Z -- Continued

Insecticides see QH545.P4

545.L35

Lakeshore development

Land reclamation see QH545.R38

545.L4

Lead

545.L63

Logging

545.M3

Manganese

545.M34

Mariculture

Marine pollution see QH545.W3

545.M4

Mercury

545.M45

Metals

Metals, Heavy see QH545.H42

545.M52

Mineral industries

545.M6

Molybdenum

Muds, Drilling see QH545.D74

545.M86

Munitions

Cf. QH545.C48 Chemical weapons

545.N3

Natural disasters

545.N47

Nickel

545.N5

Nitrogen

545.N65

Noise

545.N8

Nuclear power plants. Nuclear reactors

545.N83

Nuclear warfare

545.O33

Ocean outfalls

Off-road vehicles see QH545.A43

545.O38

Offshore oil industry

Cf. QH545.D75 Drilling platforms

545.O47

Oil field brines

545.O5

Oil pollution

Cf. QH91.8.O4 Marine biology

545.O54

Oil sands extraction plants

545.O56

Oil shales

545.O57

Oil well drilling

545.O72

Organochlorine compounds

545.O74

Organometallic compounds

545.O76

Organophosphorus compounds

545.O87

Outdoor recreation

545.O94

Ozone

545.P37

Pentachlorophenol

545.P39

Persistent pollutants

545.P4

Pesticides

Including insecticides

545.P5

Phosphorus

Pipelines, Gas see QH545.G37

Pollution (General) see QH545.A1

Ecology

Influence of special factors in the environment

Special, A-Z -- Continued

Pollution, Air see QH545.A3

Pollution, Marine see QH545.W3

Pollution, Oil see QH545.O5

Pollution, Thermal see QH545.T48

Pollution, Water see QH545.W3

545.P6

Polychlorinated biphenyls

Polycyclic aromatic hydrocarbons see QH545.H92

Power plants, Coal-fired see QH545.C57

Power plants, Electric see QH545.E38

Power plants, Geothermal see QH545.G46

Power plants, Hydroelectric see QH545.H93

545.P73

Predator control

Radiation see QH543.5+

545.R38

Reclamation of land

545.R42

Recreation areas

545.R44

Reforestation

Reservoirs see QH545.D35

545.R58

River regulation

545.R62

Roads

545.S33

Saline water conversion plants. Desalination plants

545.S35

Saltwater encroachment

545.S37

Sand and gravel industry

545.S4

Scuba diving

Sediments, Contaminated see QH545.C59

545.S45

Selenium

545.S49

Sewage

545.S493

Sewage sludge

545.S498

Shore protection

545.S5

Shotgun pellets

545.S55

Silver

545.S56

Skiing

Including snow grooming

Sludge, Sewage see QH545.S493

Snow grooming see QH545.S56

545.S6

Snowmobiles

545.S63

Soil amendments

545.S64

Soil erosion

Sprawl, Urban see QH545.C545

545.S8

Stream channelization

545.S84

Strip mining

545.S9

Sulfur

545.S92

Sulfur compounds

545.T37

Technetium

545.T4

Temperature

Ecology

Influence of special factors in the environment

Special, A-Z -- Continued

- 545.T44 Tetrachlorodibenzodioxin
- 545.T45 Textile industry
- 545.T48 Thermal pollution
- 545.T55 Tin compounds
- 545.T7 Trace elements
- 545.T74 Transuranium elements
- 545.T743 Trawls and trawling
- 545.T75 Triclopyr
- 545.T76 Tritium
- 545.T87 Turbidity
- 545.U7 Uranium mining
- Urban growth see QH545.C545
- Urban sprawl see QH545.C545
- 545.V3 Vanadium
- Vehicles, All terrain see QH545.A43
- 545.W26 War
 - Cf. QH545.N83 Nuclear warfare
- 545.W28 Waste disposal
- 545.W3 Water pollution
 - Including marine pollution
 - Cf. QH90.8.T68 Aquatic toxicology
- 545.W33 Water resources development
- Waterpower electric plants see QH545.H93
- 545.X44 Xenobiotics
- 545.Z56 Zinc
- 546 Adaptation
 - Including protective mechanisms, mimicry
 - Cf. QK912+ Plant adaptation
 - Cf. QH543.2 Acclimatization
- 546.3 Competition. Niche
- 547 Parasitism
- Symbiosis
- 548 General works
- 548.3 Mutualism
- 549 Colonies
- 549.5 Animal-plant relationships
- (555) Degeneration
 - see QH528
- (558) Aging
 - see QH529
- (559) Death
 - see QH530

Cytology

Class here general and experimental works in cytology.

For works on the cytology of particular animals written to elucidate the total organism, see the systematic divisions in QL

Cf. QH441.5 Cytogenetics

Cf. QK671 Plant cell anatomy

Cf. QK725 Plant cell physiology

573 Periodicals, societies, congresses, serial publications

574 Collected works (nonserial)

575 Dictionaries and encyclopedias

History

577 General works

578.A-Z By region or country, A-Z

General works, treatises, and textbooks

581 Through 1969

581.2 1970-

581.5 Addresses, essays, lectures

582 Pictorial works and atlases

582.4 Popular works

582.5 Juvenile works

Study and teaching. Research

583 General works

583.15 Outlines, syllabi

583.2 Laboratory manuals

Technique

Cf. TP248.27.A53 Animal cell biotechnology

585 General works

Cell culture

585.2 General works

585.3 Serum-free culture media

Cell lines

585.4 General works

585.45 Continuous cell lines

585.457 Lymphoblastoid cell lines

585.5.A-Z Special techniques, A-Z

585.5.C43 Cell fractionation

585.5.C44 Cell separation

585.5.C64 Colony-forming units assay

585.5.C98 Cytofluorometry

585.5.C984 Cytophotometry

585.5.D38 Data processing

585.5.E43 Electrodes, ion selective

585.5.E46 Electrophoresis

585.5.E48 Electroporation

585.5.F56 Flow cytometry

585.5.I45 Immobilization of cells

Cytology

Technique

Special techniques, A-Z -- Continued

585.5.L37

Lasers

585.5.M52

Micropipette techniques

585.5.M53

Microspectrophotometry

585.5.N82

Nuclear magnetic resonance spectroscopy

(585.5.S45)

Serum-free culture

see QH585.3

585.5.S83

Subcellular fractionation

Cell populations

587

General works

588.A-Z

Individual types of cells, A-Z

588.S83

Stem cells

591

Protoplasm. Cytoplasm

595

Nucleus

596

Nucleolus

597

Centrosome. Centriole

599

Chromatin

Chromosomes

Cf. QH462.A1+ Chromosomal mutation

600

General works

600.15

Artificial chromosomes

600.2

Centromere

600.3

Telomere

600.5

Sex chromosomes

600.6

Giant chromosomes. Lampbrush chromosomes

Cell membranes

601

General works

601.2

Nuclear membranes

602

Lipid membranes. Bilayer lipid membranes. Liposomes

603.A-Z

Other special, A-Z

603.C4

Cell junctions

603.C43

Cell receptors

603.C63

Coated vesicles

603.C95

Cytoplasmic filaments

603.C96

Cytoskeleton

603.E6

Endoplasmic reticulum

603.E63

Endosomes

603.E93

Extracellular space

603.G6

Golgi apparatus

603.I49

Inclusion bodies

603.I54

Ion channels

603.L9

Lysosomes

603.M35

Microbodies

603.M4

Microsomes

603.M44

Microtubules

Cytology

Other special, A-Z -- Continued

603.M5

Mitochondria

603.N83

Nuclear matrix

603.P47

Peroxisomes

603.R5

Ribosomes

603.S27

Sarcoplasmic reticulum

Control mechanisms. Cell regulation

Cf. QP187.3.C44 Endocrinology

604

General works

604.2

Cell interaction

Cf. QP517.C45 Cellular signal transduction

604.3

Cell compartmentation

604.5

Ion exchange

604.7

Cell growth. Cell proliferation

Cell division

605

General works

605.2

Mitosis

605.3

Meiosis

607

Cell differentiation

Cf. QL963.5 Embryology

608

Aging of cells

Cf. QH671 Pathology and death

609

Cellular repair mechanisms

Physical and chemical properties

Cf. QH506 Molecular biology

611

General works

613

Histochemistry

615

Osmosis

621

Turgescence

622

Adsorption

623

Adhesion

Physiological properties

631

General works

633

Respiration

634

Ingestion. Pinocytosis, etc.

634.2

Exocytosis

634.5

Metabolism

635

Heat production. Energy

641

Light production. Bioluminescence

Cf. QP517.C54 Chemiluminescence

642

Optical properties

643

Radiation properties

645

Electric properties

645.5

Mechanical properties

646

Contraction

647

Motility. Irritability

Cytology -- Continued

Effect of physical and chemical agents on cells

Cf. QK746+ Plant physiology

Cf. QP82+ Animal physiology

650

General works

651

Light

Cf. QH515 Photobiology

Radiation

For the effect of radiation on specific organs, organisms, etc.,
see the specific organ, etc., e.g. QP356.5, Nervous
system

Cf. QP82.2.R3 Radiation (Physiology)

652.A1

Periodicals, societies, congresses, serial publications

652.A2

Collected works (nonserial)

652.A3-Z

General works, treatises, and textbooks

652.4

Ultraviolet radiation

(652.5)

Radiogenetics

see QH465.R3

652.7

Acoustic radiation

653

Temperature

655

Electricity

656

Magnetic fields

657

Gravity

658

Pressure

659

Chemicals

671

Pathology and death

Cf. QH608 Aging of cells

Economic biology

Cf. S494.5.E25 Agriculture

Cf. SB107+ Economic botany

Cf. SF84+ Economic zoology

705

General works

705.5.A-Z

By region or country, A-Z

Botany

- 1 Periodicals, societies, congresses, serial publications
- 3 Collected works (nonserial)
- 5 Voyages and expeditions
- 7 Encyclopedias
- 9 Dictionaries
- Communication of information
- 9.2 General works
- 9.3 Information services
- 9.4 Computer network resources
 - Including the Internet
- 10 Terminology, notation, abbreviations
 - Cf. QK96 Nomenclature
- 11 Indexes of plants
- 13 Popular names
- 14.5 Botanical literature
 - Including works on herbals
- History
- 15 General works
- 21.A-Z By region or country, A-Z
- Biography
- 26 Collective
- 31.A-Z Individual, A-Z
 - e. g.
- 31.G8 Gray
- 31.T7 Torrey
- 35 Directories
- General works and treatises
 - Cf. QK91 Works of Linnaeus (Botany only)
- 41 Early through 1753
- 45 1754-1969
- 45.2 1970-
- 46 Special aspects of the subject as a whole
- 46.5.A-Z Special topics, A-Z
- 46.5.A47 Aerial photography
- 46.5.B66 Botanizers
- Botany for gardeners see QK50
- 46.5.D58 Diversity, Plant (General)
 - Including centers of plant diversity
 - For plant diversity conservation see QK86+
 - For local see QK102+
- 46.5.E4 Electronic data processing
- 46.5.F67 Forensic botany
- 46.5.H85 Human-plant relationships
- 46.5.M3 Mathematical models
- 46.5.S7 Statistical methods

- Special topics, A-Z -- Continued
- 46.5.V44 Vegetation monitoring
For local see QK108+
- 47 Textbooks
- 48 Handbooks, tables, formulas, etc.
- 49 Juvenile works
- 50 Popular works
For plants of individual regions or countries see QK108+
- 50.5 Botany as a profession. Vocational guidance
Study and teaching. Research
- 51 General works
- 51.2.A-Z By region or country, A-Z
Each region or country subarranged by author
- 52 Outlines, syllabi
- 52.5 Problems, exercises, examinations
- 52.55 Activity programs
- 52.6 Experiments
- 53 Laboratory manuals
Cf. QK673 Anatomy and histology
- Audiovisual aids
- 54 General works
- 55 Charts
- 57 Plant analysis blanks
- 61 Collection and preservation
- 61.4 Plant prints
- 62 Vegetation surveys
- 63 Vegetation mapping
- Botanical gardens
Class here descriptions, catalogs, and administrative reports only.
Class other serial publications in QK1
Cf. QK479+ Arboretums
- 71 General works
- 73.A-Z By region or country, A-Z
Under each country:
.x *General works*
.x2A-.x2Z *Individual. By name, A-Z*
- Herbariums
Class here descriptions, catalogs, and administrative reports only.
Class other serial publications in QK1
- 75 General works
- 76.A-Z By region or country, A-Z
- 77.A-Z Individual. By name, A-Z
- Laboratories
Class here descriptions, catalogs, and administrative reports only.
Class other serial publications in QK1
- 78 General works

- 78.5.A-Z Laboratories -- Continued
 By region or country, A-Z
 Subarrange each country by Table Q6
- Museums. Exhibitions
 Class here descriptions, catalogs, and administrative reports only.
 Class other serial publications in QK1
- 79 General works
- 79.5.A-Z By region or country, A-Z
 Subarrange each country by Table Q5
- 81 Addresses, essays, lectures
- 83 Plant lore
 Cf. GR780+ Folklore
- National plants. Official plants
 Including state, provincial, etc. plants
- 84.8 General works
 By region or country
- 85 United States
- 85.3.A-Z Other regions or countries, A-Z
- 85.5 Wild flowers
 Prefer classification by area
- Plant conservation. Rare plants. Endangered plants
 Including plant diversity conservation and remnant vegetation
 conservation and management
- 86.A1 General works
- 86.A5-Z By region or country, A-Z
- 86.4 Plant reintroduction
- 86.5 Applied ethnobotany
- Relict plants
- 86.7 General works
- 86.73.A-Z By region or country, A-Z
- 87 Miscellany and curiosa
- 89 Pressed plants with text. Bound herbaria
- Classification
- 91 Works of Linnaeus (Botany only)
- 92 Linnaean system (Minor works)
 Natural systems
 Not to be used for systems developed after Darwin
- 93 General works, treatises, and textbooks
- 94 Minor works
- Systematics and taxonomy. Philosophy and methodology
- 95 General works
- 95.4 Chemotaxonomy
 For geographic treatment see QK108+
 For systematic treatment see QK494.5.A+
- 95.6 Molecular aspects
- 96 Nomenclature
- 97 Comprehensive systematic works

- 97.5 Identification
 - For geographic treatment see QK108+
- 98 Pictorial works and atlases (of plants)
 - Prefer classification by area
 - Atlases of botanical maps are classed in class G
- Botanical illustration and artists
 - Cf. QK98 Pictorial works
- History
 - 98.15 General works
 - 98.16.A-Z By region or country, A-Z
- Biography
 - 98.18 Collective
 - 98.183.A-Z Individual, A-Z
 - Including collections of their illustrations
- 98.2 General works
- 98.24 Technique
- 98.3 Catalogs
- 98.4 Useful plants. Permaculture plants
 - 98.4.A1 General works, treatises, and textbooks
 - 98.4.A5-Z By region or country, A-Z
- Economic botany see SB107+
- Edible plants
 - Including edible wild plants
 - Cf. SB175+ Food crops
- 98.5.A1 General works, treatises, and textbooks
- 98.5.A5-Z By region or country, A-Z
- Dye plants (General)
 - Cf. SB285+ Culture
- 98.7.A1 General works, treatises, and textbooks
- 98.7.A5-Z By region or country, A-Z
- Medical botany (General)
 - Cf. RS164 Drugs of the vegetable kingdom
 - Cf. SB293 Culture
- 99.A1 General works, treatises, and textbooks
- 99.A5-Z By region or country, A-Z
- Poisonous plants
 - Cf. SB617+ Poisonous plants as pests
- 100.A1 General works, treatises, and textbooks
- 100.A5-Z By region or country, A-Z
- Geographical distribution. Phytogeography
 - 101 General works, treatises, and textbooks
 - Aquatic flora (General)
 - For geographic treatment see QK108+
 - Cf. QK564+ Algae
- 102 General works
- 103 Marine flora (General)
- 105 Freshwater flora (General)

Geographical distribution. Phytogeography -- Continued

Topographical divisions

- 108 Special parts of the world
 - Including British Empire
- America
 - 109 General works
 - North America
 - 110 General works
 - 112 Illustrations of North American flora
 - United States
 - Including East (U.S.)
 - 115 General works
 - By region
 - Northeast
 - 117 General works
 - 118 Popular handbooks
 - 121 New England
 - 121.5 Saint John River and Valley (Me. and N.B.)
 - Atlantic States. Atlantic Coast
 - 122 General works
 - 122.3 Appalachian Mountains
 - 122.5 Middle Atlantic States
 - 122.8 Chesapeake Bay
 - 122.85 Potomac River
 - 122.9 South Atlantic States
 - Southern States
 - 124 General works
 - Southeast
 - Cf. QK122.9 South Atlantic States
 - General works
 - 125 General works
 - 125.35 Blue Ridge Mountains
 - 125.4 Great Smoky Mountains
 - 125.8 Gulf States
 - Middle West
 - 128 Middle West
 - Great Lakes
 - 130 Great Lakes
 - West (U.S.)
 - General works
 - 133 General works
 - 134 Ozark Mountains
 - 135 Great Plains
 - 139 Rocky Mountains Region
 - Great Basin
 - 141 Great Basin
 - Southwest
 - General works
 - 142 General works
 - 142.2 Chihuahuan Desert
 - 142.4 Sonoran desert
 - Sierra Nevada
 - 142.7 General works

Geographical distribution. Phytogeography

Topographical divisions

America

North America

United States

By region

West (U.S.)

Sierra Nevada -- Continued

142.75 Tahoe, Lake, Watershed (Calif. and Nev.)

143 Pacific coast

Northwest

144 General works

144.2 Columbia Basin

By state

145 Alabama

146 Alaska

147 Arizona

148 Arkansas

149 California

150 Colorado

151 Connecticut

152 Delaware

153 District of Columbia

154 Florida

155 Georgia

Hawaii see QK473.H4

156 Idaho

157 Illinois

159 Indiana

160 Iowa

161 Kansas

162 Kentucky

163 Louisiana

164 Maine

165 Maryland

166 Massachusetts

167 Michigan

168 Minnesota

169 Mississippi

170 Missouri

171 Montana

172 Nebraska

173 Nevada

174 New Hampshire

175 New Jersey

176 New Mexico

177 New York

Geographical distribution. Phytogeography

Topographical divisions

America

North America

United States

By state -- Continued

- 178 North Carolina
- 179 North Dakota
- 180 Ohio
- 181 Oklahoma
- 182 Oregon
- 183 Pennsylvania
- 184 Rhode Island
- 185 South Carolina
- 186 South Dakota
- 187 Tennessee
- 188 Texas
- 189 Utah
- 190 Vermont
- 191 Virginia
- 192 Washington
- 193 West Virginia
- 194 Wisconsin
- 195 Wyoming. Yellowstone Park

Canada

- 201 General works

- 203.A-Z By region or province, A-Z

For regions that include both the United States
and Canada see QK115+

Latin America

- 205 General works
- 211 Mexico
- Central America
- 215 General works
- 216 Belize
- 217 Costa Rica
- 218 Guatemala
- 219 Honduras
- 220 Nicaragua
- 221 Panama
- 222 El Salvador
- West Indies. Caribbean area
- 225 General works
- 226 Bahamas
- 227 Cuba
- Hispaniola
- 227.7 General works

Geographical distribution. Phytogeography

Topographical divisions

America

Latin America

West Indies. Caribbean area

Hispaniola -- Continued

227.8

Dominican Republic

228

Haiti

229

Jamaica

230

Puerto Rico

231.A-Z

Other, A-Z

231.A48

Antigua and Barbuda

231.A5

Antilles, Lesser

231.A78

Aruba

231.B3

Barbados

231.C35

Cayman Islands

231.C87

Curaçao

231.D59

Dominica

Dominican Republic see QK227.8

231.F74

French West Indies

231.G73

Grenada

231.G8

Guadeloupe

231.M35

Martinique

231.N4

Netherlands Antilles

231.S3

Saint Bartholomew

231.S33

Saint Kitts and Nevis

231.S34

Saint Lucia

231.S35

Saint Martin

231.S38

Saint Vincent and the Grenadines

231.T75

Trinidad and Tobago

231.T87

Turks and Caicos Islands

231.V5

Virgin Islands

232

Bermuda

South America

241

General works

261

Argentina

262

Bolivia

263

Brazil

264

Chile

265

Colombia

266

Ecuador

Galapagos see QK473.G2

Guiana

266.8

General works

267

Guyana (British Guiana)

268

Suriname (Dutch Guiana)

269

French Guiana

Geographical distribution. Phytogeography

Topographical divisions

America

Latin America

South America -- Continued

270

Paraguay

271

Peru

272

Uruguay

273

Venezuela

274

Falkland Islands

Atlantic Ocean Islands

275.A1

General works

275.A3-Z

By island or group of islands, A-Z

275.A9

Azores

Bermuda see QK232

Canary Islands see QK422

275.C4

Cape Verde

Falkland Islands see QK274

275.F37

Faroe Islands

275.M3

Madeira

275.S27

Saint Helena

275.S3

Salvages Islands

275.S68

South Orkney Islands

275.T74

Tristan da Cunha Island

Europe

281

General works

Zone and physiographic divisions

297

Alpine

303.A-Z

Other, A-Z

By region or country

British Isles. Great Britain. England

306

General works

307

Ireland

307.5

Northern Ireland

308

Scotland

309

Wales

310

Austria

311

Hungary

313

France

313.5

Monaco

314

Germany

Including East and West Germany

(314.2)

East Germany

see QK314

314.5

Mediterranean Region

Including African coast

315

Greece

Geographical distribution. Phytogeography

Topographical divisions

Europe

By region or country -- Continued

- 316 Italy
- 316.5 Malta
- 317 Benelux (Low Countries)
- 318 Belgium
- 319 Luxembourg
- 320 Netherlands (Holland)
- 321 Russia. Soviet Union. Russia (Federation)
 - Cf. QK372+ Former Soviet areas of Asia
 - Cf. QK375+ Russia (Federation) in Asia
- 321.5 Belarus
- 321.6 Moldova
- 321.7 Ukraine
- 322 Poland
- 323 Finland
- 324 Scandinavia (General)
 - Including Lapland
- 325 Denmark
- 325.5 Iceland
- 326 Norway
- 327 Sweden
- Iberian Peninsula
- 328 General works
- 329 Spain
- 329.2 Gibraltar
- 330 Portugal
- 331 Switzerland
- Balkan Peninsula
 - Including Turkey in Europe
- 332 General works
- 332.5 Bosnia and Hercegovina
- 333 Bulgaria
- 334 Croatia
- 334.5 Macedonia (Republic)
- 335 Romania
- Serbia see QK336
- 335.5 Slovenia
- 336 Yugoslavia
 - Including Montenegro and Serbia
- 339.A-Z Other European regions, islands, or countries, A-Z
- 339.A5 Albania
- Alps see QK297
- 339.A54 Andorra
- 339.B34 Baltic States

Geographical distribution. Phytogeography

Topographical divisions

Europe

By region or country

Other European regions, islands, or countries, A-Z --

Continued

- 339.C35 Carpathian Mountains
- 339.C45 Central Europe
- 339.C5 Channel Islands
- 339.C65 Constance, Lake of
- 339.C8 Czechoslovakia. Czech Republic
- 339.E37 Eastern Europe
- 339.E8 Estonia
- 339.J85 Jura Mountains (France and Switzerland)
- 339.L3 Latvia
- 339.L46 Liechtenstein
- 339.L5 Lithuania
- Mediterranean Region see QK314.5
- 339.N67 Northern Europe
- 339.P95 Pyrenees (France and Spain)
- 339.S55 Slovakia
- Yugoslavia see QK336

Asia

- 341 General works
- 352 Afghanistan
- Arabian Peninsula
 - 353 General works
 - 353.2 Bahrain
 - 353.3 Kuwait
 - 353.4 Oman
 - 353.5 Qatar
 - 353.6 Saudi Arabia
 - 353.7 United Arab Emirates
 - 353.8 Yemen
- 354 Baluchistan
 - Cf. QK358.5 Baluchistan in Pakistan
- China
 - 355 General works
 - 355.5 Hong Kong
 - 355.6 Macau
 - 356 Taiwan
 - 357 Mongolia
- South Asia. British Indian Empire
 - 357.5 General works
 - 358 India
 - 358.5 Pakistan
 - Including Baluchistan (Province)

Geographical distribution. Phytogeography

Topographical divisions

Asia

South Asia. British Indian Empire -- Continued

358.7

Bangladesh

359

Sri Lanka

359.5

Nepal

359.6

Bhutan

Southeast Asia

For Malay Peninsula see QK365

360

General works

360.5

Burma. Myanmar

361

Cambodia. Laos. Vietnam. French Indonesia

364

Thailand

365

Malaysia

Including Malay Peninsula and Singapore

For Sabah and Sarawak see QK367

Malay Archipelago

365.5

General works

366

New Guinea

Including Papua (Indonesia) and Papua New Guinea

367

Indonesia

Including Borneo

For Papua see QK366

Brunei see QK367

368

Philippines

Japan

For Karafuto see QK375.2

369

General works

369.3

Ryukyu Islands

Including Okinawa-ken

370

Korea

371

Iran

Former Soviet areas of Asia

Cf. QK377 Caucasus

372

General works

Central Asia

374

General works

374.3

Kazakhstan

374.4

Kyrgyzstan

374.5

Tajikistan

374.6

Turkmenistan

374.7

Uzbekistan

Russia (Federation) in Asia. Siberia. Russian Far East

375

General works

375.2

Sakhalin

Geographical distribution. Phytogeography

Topographical divisions

Asia -- Continued

- 376 Asia Minor
 - Including Turkey in Asia
- 377 Caucasus
 - Including Armenia, Azerbaijan, Georgia (Republic)
- 377.3 Cyprus
- 377.5 Syria
- 377.7 Lebanon
- 378 Israel. Palestine
- 378.5 Jordan
- 379 Iraq
 - Bahrain see QK353.2
 - Kuwait see QK353.3
 - Oman see QK353.4
 - Qatar see QK353.5
 - Saudi Arabia see QK353.6
 - United Arab Emirates see QK353.7
 - Yemen see QK353.8
- 379.5.A-Z Other Asian regions or countries, A-Z
 - 379.5.E38 East Asia
 - 379.5.H55 Himalaya Mountains
 - 379.5.M53 Middle East
 - 379.5.P47 Persian Gulf
- 380 Arab countries
- Africa
 - 381 General works
 - By region or country
 - 390 North Africa
 - 391 Tropical Africa
 - Eastern Africa
 - Cf. QK401 East Africa
 - 392 General works
 - 392.4 Northeast Africa
 - 393 West Africa
 - 393.5 Central Africa
 - Cf. QK400 Former British Central Africa
 - 394 Southern Africa
 - 395 Ethiopia. Eritrea
 - Former British possessions
 - 395.8 General works
 - 396 South Africa
 - 400 Central Africa (General)
 - 401 East Africa (General)
 - 402.A-Z Other special, A-Z
 - 402.B6 Botswana

Geographical distribution. Phytogeography

Topographical divisions

Africa

By region or country

Former British possessions

Other special, A-Z -- Continued

- 402.G3 Gambia
- 402.G5 Ghana
- 402.K4 Kenya
- 402.L48 Lesotho
- 402.M28 Malawi
- 402.N34 Mauritius see QK429.M3
- 402.N5 Namibia
- 402.N5 Nigeria
- 402.R5 Rhodesia, Southern. Zimbabwe
- 402.S5 Sierra Leone
- 402.S8 Somalia see QK415
- 402.U2 Swaziland
- 402.Z3 Uganda
- Zambia
- Zimbabwe see QK402.R5
- Mediterranean Region (General) see QK314.5
- 403 Egypt
- 404 Sudan
- Former French possessions
- 405 Algeria
- 406 Tunisia
- 407 Madagascar
- 408 Senegal. Senegambia
- 409 Sahara
- 410.A-Z Other special, A-Z
- 410.B45 Benin
- 410.B85 Burkina Faso
- 410.C4 Cameroon see QK412
- 410.C5 Central African Republic
- 410.D3 Chad
- (410.D3) Dahomey
- see QK410.B45
- 410.D55 Djibouti
- 410.G3 Gabon
- 410.G84 Guinea
- 410.I8 Ivory Coast. Côte d'Ivoire
- 410.M38 Mauritania
- 410.T64 Réunion see QK429.M27
- Togo
- Former German possessions
- 411 Tanzania

Geographical distribution. Phytogeography

Topographical divisions

Africa

By region or country

Former German possessions -- Continued

- 411.5 Rwanda
- 412 Cameroon
- 413 Namibia. Southwest Africa
- (414) Eritrea
 - see QK395
- 415 Somalia
- 416 Zaire. Congo (Democratic Republic)
- 416.4 Congo (Brazzaville)
- 417 Liberia
- 418 Morocco
- 419 Mozambique
- 420 Angola
- 420.5 Sao Tome and Principe
- 421 Guinea-Bissau
- 422 Canary Islands
- 423 Western Sahara
- 423.5 Equatorial Guinea
 - Including Fernando Po
- 424 Libya
- Indian Ocean islands
- 428 General works
- 429.A-Z By island or group of islands, A-Z
 - 429.A44 Aldabra Islands
 - 429.C4 Christmas Island. Kiritimati
 - 429.C6 Comoros
 - Madagascar see QK407
 - 429.M24 Maldives
 - 429.M27 Mascarene Islands
 - Including Réunion
 - 429.M3 Mauritius
 - 429.M34 Mayotte
 - 429.P74 Prince Edward Islands
 - Réunion see QK429.M27
 - 429.S4 Seychelles
 - 429.S6 Sokotra
- Australia
- 431 General works
- 445 New South Wales
 - Including Australian Capital Territory
 - Norfolk Island see QK473.N67
 - Northern Territory
 - Queensland
- 451
- 453

Geographical distribution. Phytogeography

Topographical divisions

Australia -- Continued

455 South Australia

457 Tasmania

459 Victoria

461 Western Australia

463 New Zealand and adjacent islands

Pacific islands. Oceania

471 General works

473.A-Z By island or group of islands, A-Z

Cf. QK463 New Zealand and adjacent islands

473.B6 Bonin Island

473.C48 Chuuk (Micronesia)

473.C55 Clipperton Island

473.E17 Easter Island

473.F5 Fiji Islands

473.F74 French Polynesia

473.G2 Galapagos Islands

473.G9 Guam

473.H4 Hawaiian Islands

473.J8 Juan Fernandez (Islands)

473.K6 Kommander Islands

473.M3 Makatea

473.M34 Mariana Islands

473.M36 Marshall Islands

473.M5 Micronesia

473.N4 New Caledonia

New Guinea see QK366

Niihau see QK473.H4

473.N57 Niue (Island)

473.N67 Norfolk Island

Oceania see QK471+

Okinawa Islands see QK369.3

473.P3 Palmyra Island

473.P5 Pitcairn Island

473.P75 Polynesia

473.P78 Ponape Island

473.R27 Raiatea

473.R3 Rarotonga

473.S3 Samoan Islands

473.S6 Society Islands (French Polynesia)

473.T3 Tahiti

473.T6 Tonga

473.V25 Vanuatu

Polar regions

473.5 General works

- Geographical distribution. Phytogeography
 Topographical divisions
 Polar regions -- Continued
 Arctic regions
 474 General works
 474.2 Greenland
 474.3 Svalbard
 474.4 Antarctica
 474.5 Tropics
 Cf. QK391 Tropical Africa
 Cf. QK936 Tropical plant ecology
 Spermatophyta. Phanerogams
 For general works, see general botany
 Trees and shrubs
 Cf. SD434+ Timber trees
 474.8 Periodicals. Societies. Serials
 474.83 Collected works (nonserial)
 474.85 Congresses
 474.87 Dictionaries and encyclopedias
 475 General works, treatises, and textbooks
 475.6 Pictorial works. Atlases
 475.8 Juvenile works
 476 Study and teaching. Research
 477 Special aspects of the subject as a whole
 For historic trees, see D
 For folklore of trees see GR785
 For national and state trees see QK84.8+
 For remarkable trees see SD383+
 477.2.A-Z Special topics, A-Z
 477.2.A6 Annual rings
 Cf. CC78.3 Archaeology
 Cf. QC884.2.D4 Dendroclimatology
 Flowering see QK830
 Flowers see QK653+
 477.2.14 Identification
 Rings see QK477.2.A6
 Roots see QK644
 Arboretums. Fruticeta
 479 General works
 480.A-Z By region or country, A-Z
 Under each country:
 .x *General works*
 .x2A-.x2Z *Local or individual. By name, A-Z*
 (481-493.5) Local
 see QK108+
 Systematic divisions

Spermatophyta. Phanerogams
Systematic divisions -- Continued
Gymnosperms

Including orders and higher (not A-Z)

494

General works

494.5.A-Z

By family, A-Z

Class species and genera by family

Abietaceae see QK494.5.P66

494.5.A7

Araucariaceae

494.5.C4

Cephalotaxaceae

Coniferae see QK494

Coniferales see QK494

494.5.C975

Cupressaceae

494.5.C995

Cycadaceae

494.5.E5

Ephedraceae

494.5.G48

Ginkgoaceae

494.5.G565

Gnetaceae

494.5.P58

Phyllocladaceae

494.5.P66

Pinaceae

494.5.P73

Podocarpaceae

494.5.S35

Sciadopityaceae (Japanese umbrella pine)

494.5.S8

Stangeriaceae

494.5.T25

Taxaceae

494.5.T3

Taxodiaceae

494.5.W4

Welwitschiaceae

494.5.Z35

Zamiaceae

Angiosperms

495.A1

General works, treatises, and textbooks

For geographical treatment see QK108+

For works limited to anatomy, morphology, and
physiology see QK640+

495.A12

Dicotyledons

Including orders and higher (not A-Z)

495.A14

Monocotyledons

Including orders and higher (not A-Z)

495.A15-Z

By family, A-Z

Class species and genera by family

495.A1655

Acanthaceae

495.A17

Aceraceae (Maple)

495.A175

Achariaceae

495.A176

Achatocarpaceae

495.A177

Actinidiaceae

495.A178

Adoxaceae (Moschatel)

495.A185

Aextoxicaceae

495.A24

Agapanthaceae

495.A26

Agavaceae

495.A32

Aizoaceae (Ice plant)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.A34	Akaniaceae
495.A36	Alangiaceae
495.A4	Alismataceae (Water plantain)
495.A42	Alliaceae (Onion; garlic; leek)
	Aloaceae see QK495.A42
495.A48	Amaranthaceae (Amaranth)
495.A484	Amaryllidaceae (Amaryllis)
495.A485	Amborellaceae
495.A498	Anacardiaceae (Cashew)
495.A499	Ancistrocladaceae
495.A6	Annonaceae (Pawpaw)
495.A65	Aphyllanthaceae
	Apiaceae see QK495.U48
495.A66	Apocynaceae (Dogbane)
495.A667	Aponogetonaceae
495.A67	Aquifoliaceae (Holly)
495.A685	Araceae (Arum)
495.A6853	Araliaceae (Ginseng)
	Arecaceae see QK495.P17
495.A688	Aristolochiaceae (Dutchman's pipe)
495.A815	Asclepiadaceae (Milkweed)
495.A83	Asparagaceae (Asparagus)
495.A835	Asphodelaceae
	Asteraceae see QK495.C74
495.A9	Austrobaileyaceae
495.B2	Balanopaceae
495.B23	Balanophoraceae
495.B25	Balsaminaceae (Touch-me-not)
495.B256	Basellaceae (Madeira vine)
495.B33	Bataceae
495.B4	Begoniaceae (Begonia)
495.B45	Berberidaceae (Barberry)
495.B56	Betulaceae (Birch)
495.B62	Bignoniaceae (Catalpa)
495.B63	Bixaceae
495.B7	Bombacaceae
495.B73	Boraginaceae (Borage)
	Brassicaceae see QK495.C9
495.B75	Bretschneideraceae
495.B76	Bromeliaceae (Bromelia)
495.B78	Brunelliaceae
495.B785	Bruniaceae
495.B786	Brunoniaceae (Blue-pincushion)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.B7865	Buddlejaceae
495.B79	Burmanniaceae
495.B8	Burseraceae (Incense tree)
495.B83	Butomaceae (Flowering rush)
495.B85	Buxaceae (Box)
495.B9	Byblidaceae
495.C11	Cactaceae (Cactus)
495.C1153	Caesalpiniaceae
495.C1155	Callitrichaceae (Water starwort)
495.C15	Calycanthaceae (Spicebush)
495.C17	Calyceraceae
495.C18	Campanulaceae (Bellflower)
	Candolleaceae see QK495.S87
495.C182	Canellaceae
495.C194	Cannabaceae
495.C196	Cannaceae (Canna)
	Capparaceae see QK495.C198
495.C198	Capparidaceae (Spiderflower)
495.C199	Caprifoliaceae (Honeysuckle)
495.C1995	Cardiopteridaceae
495.C1997	Caricaceae (Papaya)
495.C2	Caryocaraceae
495.C24	Caryophyllaceae (Pink)
495.C27	Casuarinaceae (Beefwood)
495.C385	Celastraceae (Staff tree)
495.C39	Centrolepidaceae
495.C395	Cephalotaceae
495.C4	Ceratophyllaceae (Hornwort)
495.C43	Cercidiphyllaceae
495.C46	Chenopodiaceae (Goosefoot)
495.C47	Chloranthaceae
495.C48	Chrysobalanaceae
495.C5	Cistaceae (Rockrose)
495.C55	Clethraceae
	Clusiaceae see QK495.G87
495.C555	Cneoraceae
495.C6	Cochlospermaceae
495.C65	Columelliaceae
495.C7	Combretaceae (White mangrove)
495.C73	Commelinaceae (Spiderwort)
495.C74	Compositae (Sunflower)
495.C76	Connaraceae
495.C78	Convolvulaceae (Morning-glory)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.C783	Coriariaceae
495.C785	Cornaceae (Dogwood)
495.C786	Corsiaceae
495.C787	Corynocarpaceae
495.C79	Crassulaceae (Stonecrop)
495.C797	Crossosomataceae
495.C9	Cruciferae (Mustard)
495.C93	Crypteroniaceae
495.C96	Cucurbitaceae (Gourd)
495.C965	Cunoniaceae (Lightwood)
495.C967	Cuscutaceae (Dodder)
495.C97	Cyanastraceae
495.C975	Cyclanthaceae (Panama-hat palm)
495.C979	Cymodoceaceae
495.C98	Cynomoriaceae
495.C997	Cyperaceae (Sedge)
495.C9973	Cyrillaceae (Leatherwood)
495.D325	Daphniphyllaceae
495.D33	Datisceae (Durango root)
495.D34	Davidiaceae
495.D35	Davidsoniaceae
495.D4	Degeneriaceae
495.D42	Desfontainiaceae
495.D43	Dialypetalanthaceae
495.D435	Diapensiaceae
495.D44	Dichapetalaceae
495.D45	Didiereaceae
495.D46	Didymelaceae
495.D47	Dilleniaceae
495.D48	Dioncophyllaceae
495.D54	Dioscoreaceae (Yam)
495.D545	Dipentodontaceae
495.D56	Dipsacaceae (Teasel)
495.D564	Dipterocarpaceae
495.D76	Droseraceae (Sundew)
495.D9	Duckeodendraceae
495.D95	Dysphaniaceae
495.E25	Ebenaceae (Ebony)
495.E33	Elaeagnaceae
495.E35	Elaeocarpaceae
495.E37	Elatinaceae (Waterwort)
495.E44	Empetraceae (Crowberry)
495.E45	Epacridaceae

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.E64	Eremolepidaceae
495.E68	Ericaceae (Heath)
495.E685	Eriocaulaceae (Pipewort)
495.E695	Eriospermaceae
495.E82	Erythroxylaceae (Coca)
	Escalloniaceae see QK495.S3
	Eucalyptus see QK495.M9
495.E84	Eucommiaceae
495.E85	Eucryphiaceae
495.E9	Euphorbiaceae (Spurge)
495.E95	Eupomatiaceae
495.E96	Eupteleaceae
	Euryalaceae see QK495.T4
	Fabaceae see QK495.L52
495.F14	Fagaceae (Beech; Oak)
495.F55	Flacourtiaceae
495.F58	Flagellariaceae
495.F6	Fouquieriaceae (Qcotillo)
495.F67	Frankeniaceae (Alkali heath)
495.G26	Garryaceae (Silktassel bush)
495.G27	Geissolomataceae
495.G35	Gentianaceae (Gentian)
495.G37	Geosiridaceae
495.G38	Geraniaceae (Geranium)
495.G4	Gesneriaceae (African violet)
495.G56	Globulariaceae
495.G65	Gomortegaceae
495.G655	Goodeniaceae
495.G74	Gramineae (Grass)
495.G745	Griselinaceae
495.G75	Grossulariaceae
495.G76	Grubbiaceae
495.G83	Gunneraceae
495.G87	Guttiferae (St. Johnswort)
495.G877	Gyrostemonaceae
495.H15	Haemodoraceae (Bloodwort)
495.H2	Haloragaceae (Water milfoil)
	Haloragidaceae see QK495.H2
495.H3	Hamamelidaceae (Witch hazel)
495.H35	Heliconiaceae
495.H38	Hemerocallidaceae (Daylily)
	Henriqueziaceae see QK495.R85
495.H42	Hernandiaceae

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

- 495.H5 Himantandraceae
 495.H65 Hippocastanaceae (Horse chestnut)
 495.H66 Hippocrateaceae
 495.H67 Hippuridaceae (Mare's tail)
 495.H7 Hoplostigmataceae
 Houmiriaceae see QK495.H8
 Humiriaceae
 495.H8 Hyacinthaceae
 495.H83 Hydnoraceae
 495.H84 Hydrocaryaceae
 (495.H85) see QK495.T66
 495.H86 Hydrocharitaceae (Elodea)
 495.H88 Hydrophyllaceae (Waterleaf)
 495.H885 Hydrostachyaceae
 495.H9 Hypoxidaceae
 495.I25 Icacinaceae
 495.I4 Illiciaceae (Anise tree)
 495.I75 Iridaceae (Iris)
 495.J85 Juglandaceae (Walnut)
 495.J855 Julianiaceae
 495.J87 Juncaceae (Rush)
 495.J875 Juncaginaceae (Arrow grass)
 495.K7 Krameriaceae
 Labiatae see QK495.L25
 495.L152 Lacistemaceae
 495.L153 Lactoridaceae
 495.L25 Lamiaceae (Mint)
 495.L32 Lardizabalaceae
 495.L375 Lauraceae (Laurel)
 495.L42 Lecythidaceae (Brazil nut)
 495.L46 Leeaceae
 495.L52 Legumes
 Cf. QK495.C1153 Caesalpinziaceae
 Cf. QK495.M545 Mimosaceae
 495.L524 Leitneriaceae (Corkwood)
 495.L527 Lemnaceae (Duckweed)
 495.L528 Lennoaceae
 495.L53 Lentibulariaceae (Bladderwort)
 495.L72 Liliaceae (Lily)
 495.L73 Limnanthaceae (Meadowfoam)
 495.L74 Linaceae (Flax)
 495.L76 Lissocarpaceae
 495.L78 Loasaceae (Evening star)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.L785	Loganiaceae (Butterfly bush)
495.L87	Loranthaceae (Mistletoe)
495.L88	Lowiaceae
495.L9	Lythraceae (Crepe myrtle)
495.M24	Magnoliaceae (Magnolia)
495.M245	Malesherbiaceae
495.M26	Malpighiaceae
495.M27	Malvaceae (Mallow)
495.M28	Marantaceae (Arrowroot)
495.M285	Marograviaceae
495.M287	Martyniaceae (Devil's claw)
495.M3	Mayacaceae (Bogmoss)
495.M5	Medusagynaceae
495.M51	Medusandraceae
495.M5135	Melanthiaceae
495.M514	Melastomataceae (Meadow beauty)
495.M52	Meliaceae (Mahogany)
495.M524	Melianthaceae (Honey bush)
495.M537	Menispermaceae (Moonseed)
495.M5375	Menyanthaceae
495.M545	Mimosaceae
495.M55	Misodendraceae
495.M6	Molluginaceae
495.M67	Monimiaceae (Voldo)
495.M73	Moraceae (Mulberry)
495.M74	Moringaceae (Horseradish tree)
495.M78	Musaceae (Banana)
	Musales see QK495.A14
495.M8	Myoporaceae
495.M83	Myricaceae (Wax myrtle)
495.M85	Myristicaceae (Nutmeg)
495.M86	Myrothamnaceae
495.M87	Myrsinaceae
495.M9	Myrtaceae (Myrtle)
495.N3	Naiadaceae
495.N33	Nelumbonaceae
495.N35	Nepenthaceae
495.N37	Neuradaceae
495.N6	Nolanaceae
495.N9	Nyctaginaceae (Four-o'clock)
495.N97	Nymphaeaceae (Waterlily)
495.N975	Nyssaceae (Sour gum)
495.O3	Ochnaceae

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.O35	Olacaceae (Tallow-wood)
495.O44	Oleaceae (Olive)
495.O446	Oliniaceae
495.O46	Onagraceae (Evening-primrose)
495.O62	Opiliaceae
495.O64	Orchidaceae (Orchid)
495.O74	Orobanchaceae (Broomrape)
495.O98	Oxalidaceae (Wood sorrel)
495.P15	Paeoniaceae
495.P17	Palmae (Palm)
495.P175	Pandaceae
495.P18	Pandanaceae (Screw pine)
495.P22	Papaveraceae (Poppy)
	Papaverales see QK495.A12
495.P28	Passifloraceae (Passionflower)
495.P42	Pedaliaceae (Benne)
495.P43	Penaeaceae
495.P44	Pentaphragmataceae
495.P445	Pentaphylacaceae
	Peperomiaceae see QK495.P67
495.P446	Peridiscaceae
495.P45	Philydraceae
495.P453	Phymaceae (Lopseed)
495.P454	Phytolaccaceae (Poke)
495.P5	Picrodendraceae
495.P67	Piperaceae (Pepper)
495.P7	Pittosporaceae
495.P714	Plantaginaceae (Plantain)
495.P72	Platanaceae (Sycamore)
495.P725	Plumbaginaceae (Leadwort)
	Poaceae see QK495.G74
495.P74	Podostemaceae (Riverweed)
495.P77	Polemoniaceae (Phlox)
495.P775	Polygalaceae (Milkwort)
495.P78	Polygonaceae (Buckwheat)
495.P783	Pontederiaceae (Pickerelweed)
495.P8	Portulacaceae
495.P83	Posidoniaceae
	Potaliaceae see QK495.L785
495.P85	Potamogetonaceae (Pondweed)
495.P95	Primulaceae (Primrose)
495.P957	Proteaceae (Silk oak)
495.P9575	Ptaeroxylaceae

QK

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.P958	Punicaceae (Pomegranate)
495.P997	Pyrolaceae
495.Q5	Quiinaceae
495.R15	Rafflesiaceae
	Ranales see QK495.A12
495.R215	Ranunculaceae (Buttercup)
	Ranunculales see QK495.A12
495.R3	Rapateaceae
495.R4	Resedaceae (Mignonette)
495.R42	Restionaceae
495.R45	Rhamnaceae (Coffeeberry)
495.R46	Rhizophoraceae (Mangrove)
	Rhoeadales see QK495.A12
495.R465	Rhoipteleaceae
495.R468	Roridulaceae
495.R78	Rosaceae (Rose)
495.R85	Rubiaceae (Madder)
495.R956	Ruppiaceae
495.R98	Rutaceae (Citrus)
495.S15	Sabiaceae
495.S16	Salicaceae (Willow)
495.S165	Salvadoraceae (Toothbrush tree)
495.S18	Santalaceae (Sandalwood)
495.S19	Sapindaceae (Soapberry)
495.S2	Sapotaceae (Chicle)
495.S225	Sarcolaenaceae
495.S227	Sarcospermataceae
495.S23	Sargentodoxaceae
495.S24	Saraceniaceae (Pitcher plant)
495.S27	Saururaceae (Lizard's-tail)
495.S3	Saxifragaceae (Saxifrage)
495.S35	Scheuchzeriaceae
495.S353	Schisandraceae (Bay-star vine)
	Scitamineae see QK495.A14
495.S43	Scrophulariaceae (Figwort; snapdragon)
495.S45	Scyphostegiaceae
495.S47	Scyttopetalaceae
495.S59	Simaroubaceae (Tree of heaven)
495.S62	Siparunaceae
495.S65	Smilacaceae
495.S7	Solanaceae (Nightshade)
495.S74	Sonneratiaceae
495.S745	Sparganiaceae (Bar-reed)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.S7455	Sphaerosepalaceae
495.S7456	Sphenocleaceae
495.S76	Stachyuraceae
495.S765	Stackhousiaceae
495.S77	Staphyleaceae (Bladdernut)
495.S78	Stemonaceae
495.S8	Sterculiaceae (Cacao)
495.S85	Strasburgeriaceae
495.S87	Stylidiaceae
495.S9	Styracaceae (Silverbell tree)
495.S95	Symplocaceae (Sweetleaf)
495.T3	Taccaceae
495.T35	Tamaricaceae (Tamarisk)
495.T355	Tetracentraceae
495.T4	Theaceae (Tea)
495.T45	Theligonaceae
495.T455	Themidaceae
495.T457	Theophrastaceae (Joewood)
495.T46	Thurniaceae
495.T48	Thymelaeaceae
495.T5	Tiliaceae (Linden)
495.T6	Tovariaceae
495.T66	Trapaceae (Water chestnut)
495.T7	Tremandraceae
495.T73	Trigoniaceae
495.T735	Trilliaceae
495.T74	Trimeniaceae
495.T745	Triuridaceae
495.T75	Trochodendraceae
495.T77	Tropaeolaceae (Nasturtium)
495.T8	Turneraceae
495.T9	Typhaceae (Cattail)
495.U4	Ulmaceae (Elm)
495.U48	Umbelliferae (Parsley)
495.U7	Urticaceae (Nettle)
495.V3	Valerianaceae
495.V4	Velloziaceae
495.V48	Verbenaceae (Verbena)
495.V5	Violaceae (Violet)
495.V53	Viscaceae
495.V55	Vitaceae (Grape)
495.V6	Vochysiaceae
495.W5	Winteraceae

- Spermatophyta. Phanerogams
 - Systematic divisions
 - Angiosperms
 - By family, A-Z -- Continued
 - 495.X3 Xanthorrhoeaceae
 - 495.X9 Xyridaceae (Yelloweyed grass)
 - 495.Z3 Zannichelliaceae
 - 495.Z65 Zingiberaceae (Ginger)
 - 495.Z7 Zosteraceae
 - 495.Z9 Zygothallaceae (Creosote-bush)
 - Cryptogams
 - Including Archegoniatae
 - For bacteria see QR1+
 - 504 Periodicals, societies, congresses, serial publications
 - 505 General works, treatises, and textbooks
 - 505.5 Juvenile works
 - 506 Anatomy, physiology, etc.
 - 507 Classification. Systematic works
 - Local
 - 509 North America
 - United States
 - 510 General works
 - 511.A-Z By region or state, A-Z
 - Canada
 - 511.2 General works
 - 511.3.A-Z By region or province, A-Z
 - Latin America
 - 511.7 General works
 - Mexico
 - 512 General works
 - 512.2.A-Z By region or state, A-Z
 - 512.4 Central America (Table Q3)
 - 512.5 West Indies. Caribbean Area (Table Q3)
 - 512.6 South America (Table Q3)
 - Europe
 - 512.7 General works
 - 513 Great Britain
 - 514.A-Z Other European regions or countries, A-Z
 - Asia (Table Q3)
 - 516 Africa (Table Q3)
 - 517 Australia
 - 517.5 New Zealand
 - 518 Pacific islands (Table Q3)
 - 519 Arctic regions
 - 519.5 Antarctica
 - Pteridophyta (Ferns, etc.)
 - 520 Periodicals, societies, congresses, serial publications

Cryptogams

Pteridophyta (Ferns, etc.) -- Continued

- 521 Anatomy, physiology, etc.
 522 General works, treatises, and textbooks
 522.5 Juvenile works
 523 Classification. Systematic works
 523.3 Catalogs and collections
 524.A-Z Systematic divisions, A-Z
 524.A25 Actiniopteridaceae
 524.A29 Adiantaceae
 (524.A65) Aspidiaceae
 see QK524.D79
 524.A7 Aspleniaceae
 524.A76 Athyriaceae
 524.A94 Azollaceae
 524.C9 Cyatheaceae
 524.D5 Dennstaedtiaceae
 524.D55 Dicksoniaceae
 524.D79 Dryopteridaceae
 524.E6 Equisetaceae
 524.H87 Huperziaceae
 524.H9 Hymenophyllaceae
 524.I8 Isoetaceae
 524.L64 Lomariopsidaceae
 524.L9 Lycopodiaceae
 524.M3 Marattiaceae
 524.M4 Marsileaceae
 524.O7 Ophioglossaceae
 524.O8 Osmundaceae
 524.P3 Parkeriaceae
 524.P7 Polypodiaceae
 524.P77 Psilotaceae
 Pteridaceae see QK524.A29
 524.S33 Salviniaceae
 524.S35 Schizaeaceae
 524.S46 Selaginellaceae
 524.T54 Thelypteridaceae
 Geographical distribution
 For particular taxa see QK524.A+
 524.35 General works
 Physiographic divisions (General)
 524.37 Water
 Land see QK524.35
 Topographic divisions
 America
 General works
 North America
 524.4

Cryptogams

Pteridophyta (Ferns, etc.)

Geographical distribution

Topographic divisions

America

North America -- Continued

524.5

General works

524.7

Great Lakes region

United States

525

General works

525.5.A-Z

By region or state, A-Z

Canada

525.6

General works

525.7.A-Z

By region or province, A-Z

Latin America

525.8

General works

Mexico

525.85

General works

525.9.A-Z

By region or state, A-Z

526

Central America (Table Q3)

526.2

West Indies. Caribbean area (Table Q3)

526.4

South America (Table Q3)

Europe

526.5

General works

527

Great Britain

528.A-Z

Other European regions or countries, A-Z

529

Asia (Table Q3)

530

Africa (Table Q3)

531

Australia

531.5

New Zealand

532

Pacific islands (Table Q3)

Bryophyta. Bryology

532.4

Periodicals. Societies. Serials

532.42

Congresses

532.5

Dictionaries and encyclopedias

History

532.6

General works

532.65.A-Z

By region or country, A-Z

Biography

532.7

Collective

532.75.A-Z

Individual, A-Z

532.8

Directories

533

General works, treatises, and textbooks

533.3

Juvenile works

533.35

Addresses, essays, lectures

Rare and endangered bryophytes

533.4

General works

Cryptogams

Bryophyta. Bryology

Rare and endangered bryophytes -- Continued

533.5.A-Z

By region or country, A-Z

533.6

Anatomy, physiology, etc.

533.7

Classification. Systematic works

533.74

Catalogs and collections

By region or country

United States

533.8

General works

533.82.A-Z

By region or state, A-Z

533.84.A-Z

Other regions or countries, A-Z

Musci (Mosses)

534

Periodicals, societies, congresses, serial publications

535

Anatomy, physiology, etc.

537

General works, treatises, and textbooks

537.5

Juvenile works

538

Classification. Systematic works

538.4

Catalogs and collections

539.A-Z

Systematic divisions, A-Z

539.A6

Amblystegiaceae

539.B68

Brachytheciaceae

539.B7

Bryaceae

539.B97

Buxbaumiaceae

539.D5

Dicranaceae

539.F5

Fissidentaceae

539.F6

Fontinalaceae

539.F98

Funariaceae

539.G7

Grimmiaceae

539.H68

Hookeriaceae

539.H95

Hypnobryales

539.H96

Hypopterygiaceae

539.M68

Mniaceae

539.O7

Orthotrichaceae

539.P7

Plagiotheciaceae

539.P78

Polytrichaceae

539.P8

Pottiaceae

539.P93

Pterobryaceae

539.S46

Seligeriaceae

539.S75

Sphagnaceae

539.S76

Splachnaceae

539.S84

Stereophyllaceae

539.T58

Timmiaceae

Local

America

540.4

General works

North America

	Cryptogams
	Bryophyta. Bryology
	Musci (Mosses)
	Local
	America
	North America -- Continued
540.5	General works
540.7	Great Lakes region
	United States
541	General works
541.5.A-Z	By region or state, A-Z
	Canada
541.6	General works
541.7.A-Z	By region or province, A-Z
541.8	Latin America
	Mexico
541.85	General works
541.9.A-Z	By region or state, A-Z
542	Central America (Table Q3)
542.2	West Indies. Caribbean area (Table Q3)
542.4	South America (Table Q3)
542.45	Atlantic islands (Table Q3)
	Europe
542.5	General works
543	Great Britain
544.A-Z	Other European regions or countries, A-Z
545	Asia (Table Q3)
546	Africa (Table Q3)
547	Australia
547.5	New Zealand
548	Pacific islands (Table Q3)
549	Arctic regions
549.5	Antarctica
	Hepaticae (Liverworts)
551	Anatomy, physiology, etc.
553	General works, treatises, and textbooks
554	Classification. Systematic works
555.A-Z	Systematic divisions, A-Z
555.A3	Adelanthaceae
555.A5	Aneuraceae
(555.A6)	Anthocerotaceae
	see QK563.75+
555.B34	Balantiopsaceae
555.B7	Bryopteridaceae
555.D5	Dilaenaceae
555.F6	Fossombroniaceae
555.F9	Frullaniaceae

Cryptogams

Bryophyta. Bryology

Hepaticae (Liverworts)

Systematic divisions, A-Z -- Continued

- 555.G44 Geocalycaceae
- 555.G7 Grimaldiaceae
- 555.H35 Haplomitriaceae
- 555.J9 Jungermanniaceae
- 555.L37 Lejeuneaceae
- 555.L4 Lepidoziaceae
- 555.L58 Lophocoleaceae
- 555.L6 Lophoziaceae
- 555.M2 Marchantiaceae
- 555.M4 Metzgeriaceae
- 555.P45 Plagiochilaceae
- 555.P6 Porellaceae
- 555.R5 Ricciaceae
- 555.S34 Scapaniaceae
- 555.T3 Targioniaceae

Local

America

- 555.4 General works

North America

- 555.5 General works
- 555.7 Great Lakes region
- United States

- 556 General works

- 556.5.A-Z By region or state, A-Z

Canada

- 556.6 General works
- 556.7.A-Z By region or province, A-Z

Latin America

- 556.8 General works

Mexico

- 556.85 General works
- 556.9.A-Z By region or state, A-Z

- 557 Central America (Table Q3)

- 557.2 West Indies. Caribbean area (Table Q3)

- 557.4 South America (Table Q3)

Atlantic Ocean islands

- 557.45 General works
- 557.47.A-Z By island or group of islands, A-Z
- 557.47.F34 Falkland Islands

Europe

- 557.5 General works
- 558 Great Britain
- 559.A-Z Other European regions or countries, A-Z

	Cryptogams
	Bryophyta. Bryology
	Hepaticae (Liverworts)
	Local -- Continued
560	Asia (Table Q3)
561	Africa (Table Q3)
562	Australia
562.5	New Zealand
563	Pacific islands (Table Q3)
563.5	Arctic regions
563.7	Antarctica
563.725	Southern hemisphere
	Hornworts
563.75	Periodicals, societies, congresses, serial publications
563.77	Anatomy, physiology, etc.
563.8	General works, treatises, and textbooks
563.84	Classification. Systematic works
563.85.A-Z	By genus, A-Z
563.85.A57	Anthoceros
563.87.A-Z	By region or country, A-Z
	Algae. Algology
564	Periodicals. Societies. Serials
564.3	Congresses
564.5	Collected works (nonserial)
564.6	Dictionaries and encyclopedias
	History
564.7	General works
564.73	By region or country, A-Z
	Biography
564.75	Collective
564.77	Individual, A-Z
564.8	Directories
	Anatomy, physiology, etc.
	Including cytology, morphology
565	General works
565.2	Laboratory cultures and technique
565.5	Genetics
566	General works, treatises, and textbooks
566.3	Popular works
566.5	Juvenile works
567	Classification. Systematic works
567.5	Catalogs and collections
568.A-Z	Special topics, A-Z
568.B55	Blooms
568.E26	Ecology
	For systematic treatment see QK569.A+
	For geographic treatment see QK570+

Cryptogams

Algae. Algology

Special topics, A-Z -- Continued

568.E85

Evolution

568.M52

Microalgae

For systematic treatment see QK569.A+

For geographic treatment see QK570+

568.T67

Toxic algae

Including toxic marine algae

569.A-Z

Systematic divisions, A-Z

569.A27

Acrochaetiaceae

569.A43

Alariaceae

Audouinellaceae see QK569.A27

569.B15

Bacillariaceae

Bacillariophyceae. Bacillariophyta see QK569.D54

569.B2

Bangiaceae

569.B25

Batrachospermaceae

569.C37

Caulerpaceae

569.C39

Centrales

569.C4

Ceramiaceae

569.C44

Chaetangiaceae

569.C45

Chaetophoraceae

569.C455

Chaetophorales

569.C47

Characeae

569.C48

Characiaceae

569.C483

Charophyta

569.C486

Chlamydomonadaceae

569.C49

Chlorellaceae

569.C494

Chlorococcaceae

569.C496

Chloroccales

569.C6

Chlorophyta (Green algae)

569.C617

Chromophyta

569.C62

Chrysophyceae

569.C622

Chrysophytes

569.C624

Cladophoraceae

569.C63

Coccolithophoridaceae

569.C65

Codiaceae

569.C73

Coleochaetaceae

569.C8

Corallinaceae

569.C86

Crossocarpaceae

569.C95

Cryptonemiaceae

569.C956

Cyanidiaceae

Cyanophyta see QR99.6+

569.C97

Cystoseiraceae

569.D3

Dasyaceae

569.D33

Dasycladaceae

569.D34

Dasycladales

Cryptogams

Algae. Algology

Systematic divisions, A-Z -- Continued

569.D4	Delesseriaceae
569.D43	Desmerestiaceae
569.D46	Desmidiaceae
	Desmidiales see QK569.D46
	Desmidiiales (Zygnematales) see QK569.Z82
569.D54	Diatoms (Bacillariophyceae. Bacillariophyta. Diatomophyceae)
569.D55	Dinamoebales
569.D56	Dinoflagellates
	Dunaliellaceae see QK569.P65
569.E9	Euglenaceae
569.E93	Euglenids
569.F64	Florideae
569.F73	Fragilariaceae
569.F95	Fucaceae
569.G4	Gelidiaceae
569.G42	Gelidiales
569.G5	Gigartinaceae
569.G7	Gonidomataceae
569.G8	Gracilariaceae
569.H44	Hemidiscaceae
569.H46	Heteropediaceae
569.K3	Kallymeniaceae
569.L2	Laminariaceae
569.L34	Laminariales
569.L5	Lemaneaceae
569.L53	Lessoniaceae
569.L56	Lithodermataceae
569.M27	Mallomonadaceae
	Melanophyceae see QK569.P5
569.M48	Mesotaeniaceae
569.M87	Myrionemataceae
	Myxophyceae see QR99.6+
569.N37	Naviculaceae
569.N43	Nemaliales
569.N45	Nemastomataceae
	Nostocaceae see QR99.7.N67
569.O37	Ochromonadaceae
569.O4	Oedogoniaceae. Oedogoniales
569.O6	Oocystaceae
	Oscillatoriaceae see QR99.7.O82
569.P25	Pal mariaceae
569.P33	Peridinales
569.P35	Peyssonneliaceae

Cryptogams

Algae. Algology

Systematic divisions, A-Z -- Continued

- 569.P39 Pfiesteriaceae
 569.P5 Phaeophyta
 569.P54 Phylloporaceae
 569.P65 Polyblepharidaceae
 569.P68 Porphyridiaceae
 569.P9 Prasiolaceae
 569.P93 Prochloraceae
 (569.P94) Protococcaceae
 see QK569.C486
 569.P97 Protosiphonaceae
 569.P974 Prymnesiophyceae
 569.P98 Pseudoanemoniaceae
 569.R37 Rhodomelaceae
 569.R4 Rhodophyta. Rhodophyceae
 569.R6 Rhodymeniaceae
 569.S2 Sargassaceae
 569.S32 Scenedesmaceae
 Schizophyceae see QR99.6+
 569.S36 Scytosiphonaceae
 569.S43 Selenastraceae
 569.S53 Silicoflagellates
 569.S56 Siphonocladaceae
 569.S7 Sphacelariaceae
 Stigonemataceae see QR99.7.S85
 569.T47 Thalassiosiraceae
 569.T73 Trentepohliaceae
 569.U46 Udoteaceae
 569.U5 Ulotrichaceae
 569.U55 Ulvaceae
 569.U6 Ulvales
 569.V3 Valoniaceae
 569.V35 Vaucheriaceae
 569.V9 Volvocaceae
 569.V93 Volvocales
 569.Z8 Zygnemataceae
 569.Z82 Zygnematales
 Geographical distribution
 For particular taxa see QK569.A+
 570 General works
 Physiographic divisions (General)
 Marine
 Cf. SH390+ Fisheries
 Freshwater
 Topographical divisions

Cryptogams

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Geographical distribution

Topographical divisions -- Continued

America

570.4

General works

North America

570.5

General works

570.7

Great Lakes region

United States

571

General works

571.5.A-Z

By region or state, A-Z

Canada

571.6

General works

571.7.A-Z

By region or province, A-Z

Latin America

571.8

General works

Mexico

571.85

General works

571.9.A-Z

By region or state, A-Z

572

Central America (Table Q3)

572.2

West Indies. Caribbean area (Table Q3)

572.4

South America (Table Q3)

Atlantic Ocean and islands

572.48

General works

572.5.A-Z

By region, group of islands, or island, A-Z

Europe

572.9

General works

573

Great Britain

574.A-Z

Other European regions or countries, A-Z

575

Asia (Table Q3)

576

Africa (Table Q3)

576.5

Indian Ocean

577

Australia

577.5

New Zealand

577.8

Pacific Ocean

578

Pacific Islands (Table Q3)

Polar regions

579

General works

580

Arctic regions

580.5

Antarctica

Lichens. Lichenology

580.7

Periodicals. Societies. Serials

580.74

Congresses

580.75

Collected works (nonserial)

580.77

Dictionaries and encyclopedias

Biography

	Cryptogams
	Lichens. Lichenology
	Biography -- Continued
580.85	Collective
580.86.A-Z	Individual, A-Z
581	Anatomy, physiology, etc.
583	General works, treatises, and textbooks
584	Classification. Systematic works
584.2	Catalogs and collections
584.6.A-Z	Special topics, A-Z
584.6.E64	Epiphytic lichens
585.A-Z	Systematic divisions, A-Z
585.C28	Caliciales
585.C3	Caloplacaceae
585.C6	Cladoniaceae
585.C65	Collemataceae
585.G8	Graphidaceae
585.H48	Heppiaceae
585.L37	Lecanoraceae
585.L4	Lecidiaceae
585.L53	Lichinaceae
585.M44	Megalosporaceae
585.O63	Opegraphaceae
585.P17	Pannariaceae
585.P2	Parmeliaceae
585.P34	Peltigeraceae
585.P37	Pertusariaceae
585.P45	Physciaceae
585.R35	Ramalinaceae
585.R7	Roccellaceae
585.S64	Sphaerophoraceae
585.S78	Stereocaulaceae
585.S8	Stictaceae
585.T44	Teloschistaceae
585.T48	Thelenellaceae
585.T5	Thelotremataceae
585.T7	Trypetheliaceae
585.U5	Umbilicariaceae
585.V4	Verrucariaceae
	Local
	America
586.4	General works
	North America
586.5	General works
586.7	Great Lakes region
	United States
587	General works

QK

Cryptogams

Lichens. Lichenology

Local

America

North America

United States -- Continued

587.5.A-Z

By region or state, A-Z

Canada

587.6

General works

587.7.A-Z

By region or province, A-Z

Latin America

587.8

General works

Mexico

587.85

General works

587.9.A-Z

By region or state, A-Z

588

Central America (Table Q3)

588.2

West Indies. Caribbean area (Table Q3)

588.4

South America (Table Q3)

Atlantic Ocean and islands

588.47

General works

588.48.A-Z

By region, group of islands or island, A-Z

Europe

588.5

General works

589

Great Britain

590.A-Z

Other European regions or countries, A-Z

591

Asia (Table Q3)

592

Africa (Table Q3)

593

Australia

593.5

New Zealand

594

Pacific islands (Table Q3)

Arctic regions

597

General works

597.2

Greenland

597.3

Spitzbergen

597.5

Antarctica

597.7

Tropics

Fungi

Cf. QR111+ Soil fungi

Cf. QR245+ Pathogenic fungi

Cf. TA423.2+ Decay of wood

600

Periodicals. Societies. Serials

600.2

Collected works (nonserial)

600.3

Congresses

600.35

Dictionaries and encyclopedias

Biography

600.44

Collective

600.45.A-Z

Individual, A-Z

Cryptogams

Fungi -- Continued

Study and teaching. Research

600.47

General works

600.473.A-Z

By region or country, A-Z

600.476

Experiments

600.478

Laboratory manuals

600.48

Collection and preservation

Museums. Exhibitions

600.5

General works

600.53.A-Z

By region or country, A-Z

*Under each country:**.x**General works**.x2A-.x2Z**Individual. By name, A-Z*

Catalogs and collections

600.7

General works

600.73.A-Z

By region or country, A-Z

*Under each country:**.x**General works**.x2A-.x2Z**Individual. By name, A-Z*

601

Anatomy, physiology, etc.

Including cytology, morphology

602

Genetics, variation, etc.

603

General works, treatises, and textbooks

Classification. Systematic works

603.2

General works

603.3

Nomenclature

603.5

Juvenile works

604

Special aspects of the subject as a whole

604.2.A-Z

Special topics, A-Z

604.2.A52

Anaerobic fungi

604.2.A56

Antagonistic fungi

Aquatic fungi see QK617.8+

604.2.C62

Colonies

604.2.C64

Communities

604.2.C66

Conservation

604.2.E26

Ecology

604.2.E27

Economic aspects

604.2.E28

Ecophysiology

Ectomycorrhizas see QK604.2.M92

Edible fungi see QK617

604.2.E48

Endangered fungi

Endomycorrhizas see QK604.2.M92

604.2.E53

Endophytic fungi

604.2.E85

Evolution

604.2.H34

Hallucinogenic mushrooms

604.2.H95

Hypogeous fungi

Cryptogams

Fungi

Special topics, A-Z -- Continued

- 604.2.I36 Identification
- 604.2.L53 Lichen-forming fungi
- 604.2.L54 Lichenicolous fungi
- 604.2.M64 Molecular biology
- 604.2.M89 Mycoparasitism
- 604.2.M92 Mycorrhizas. Mycorrhizal fungi
 - Including ectomycorrhizas and endomycorrhizas
 - Cf. SB106.M83 Plant culture
- 604.2.N45 Nematode-destroying fungi
- Pathogenic fungi see QR245+
- 604.2.P45 Phytopathogenic fungi
 - Cf. SB733 Control of phytopathogenic fungi and fungal diseases of plants
- 604.2.P56 Pleomorphic fungi
- Poisonous fungi see QK617
- 604.2.P64 Populations
- 604.2.P73 Predacious fungi
- 604.2.S25 Saprophytic fungi
- Soil fungi see QR111+
- 604.2.S86 Straminipilous fungi
- 604.2.W65 Wood-decaying fungi
 - Cf. TA423.2+ Deterioration and preservation of wood
- 604.2.W66 Wood-staining fungi
 - Cf. TA423.4 Deterioration and preservation of wood
- Yeast fungi see QK617.5
- 604.2.Z66 Zoosporic fungi

Local

America

- 604.4 General works
- North America
- 604.5 General works
- 604.7 Great Lakes region
- United States
- 605 General works
- 605.5.A-Z By region or state, A-Z
- Canada
- 605.6 General works
- 605.7.A-Z By region or state, A-Z
- Latin America
- 605.8 General works
- Mexico
- 605.85 General works
- 605.9.A-Z By region or state, A-Z
- 606 Central America (Table Q3)

Cryptogams

Fungi

Local

America -- Continued

606.2 West Indies. Caribbean area (Table Q3)

606.4 South America (Table Q3)

Europe

606.5 General works

607 Great Britain

608.A-Z Other European regions or countries, A-Z

609 Asia (Table Q3)

610 Africa (Table Q3)

611 Australia

611.5 New Zealand

612 Pacific islands (Table Q3)

615 Arctic regions

615.5 Antarctica

615.7 Tropics

617 Edible and poisonous fungi. Mushrooms (Popular works)

For geographic treatment see QK604.4+

For systematic treatment see QK621+

Cf. SB352.85+ Culture

617.5 Yeast fungi (General)

For geographic treatment see QK604.4+

For systematic treatment see QK621+

Cf. QR151+ Microorganisms of fermentation

Cf. TP433 Food processing and manufacture

Cf. TP580+ Brewing

Aquatic fungi (General)

For geographic treatment see QK604.4+

For systematic treatment see QK621+

617.8 General works

618 Marine fungi (General)

618.2 Freshwater fungi (General)

Systematic divisions

Phycomycetes

General works, treatises, and textbooks

Special, A-Z

621.A1 Albuginaceae

621.A2-Z Basidiobolus

621.A42 Blastocladiaceae

621.B37 Choanephoraceae

621.B6 Chytridiaceae

621.C48 Coelomomycetaceae

621.C5 Eccrinales

621.C63 Endogonaceae

621.E3 Entomophthoraceae

621.E47

621.E49

Cryptogams

Fungi

Systematic divisions

Phycomycetes

Special, A-Z -- Continued

- 621.E5 Entophlyctaceae
- 621.L44 Leptomitales
- Molds see QK600+
- 621.M6 Monoblepharidaceae
- 621.M64 Mortierellaceae
- 621.M94 Mucoraceae
- 621.M96 Mucorales
- 621.O4 Olpidiaceae
- Oomycetes see QK621.A1
- 621.P45 Peronosporaceae
- 621.P47 Peronosporales
- 621.P9 Pythiaceae
- 621.R5 Rhipidiaceae
- 621.S24 Saprolegniaceae
- 621.S25 Saprolegniales
- 621.S9 Synchytriaceae
- 621.T45 Thraustochytriaceae
- Trichomycetes see QK621.A1
- 621.W6 Woroniaceae

Ascomycetes

General works, treatises, and textbooks

Special, A-Z

- 623.A1 Ascobolaceae
- 623.A2-Z Aspergillus see QK625.M7
- 623.A8 Capnodiaceae
- 623.C36 Chaetomiaceae
- 623.C53 Clavicipitaceae
- 623.C55 Clavicipitales
- 623.C57 Dermateaceae
- 623.D47 Diaporthales
- 623.D55 Discomycetes see QK623.A1
- 623.D72 Dothideaceae
- 623.D74 Dothideales
- 623.E4 Elaphomycetaceae
- 623.E56 Endomycetaceae
- 623.E7 Erysiphaceae
- 623.E73 Erysiphales
- (623.E85) Eurotiaceae
- see QK623.T75
- 623.G55 Gnomoniaceae
- 623.G94 Gymnoascaceae
- 623.H35 Helotiaceae

Cryptogams

Fungi

Systematic divisions

Ascomycetes

Special, A-Z -- Continued

623.H4	Helvellaceae
623.H76	Hyaloscyphaceae
623.H86	Hypocreaceae
623.H87	Hypomycetaceae
623.H88	Hysteriaceae
623.L3	Laboulbeniales
623.L39	Leotiaceae
623.L6	Lophiostomaceae
623.M38	Melanconidaceae
623.M39	Melanommatales
	Meliolaceae see QK623.M4
623.M4	Meliolales. Meliolaceae
623.M5	Microthyriaceae
623.M63	Monascaceae
623.M65	Morchellaceae
623.M89	Mycocaliciales
623.M93	Mycosphaerellales. Mycosphaerellaceae
623.N43	Nectriaceae
623.O6	Ophiostomataceae
623.O75	Otideaceae
	Patellariaceae see QK623.P5
	Penicillium see QK625.M7
623.P5	Pezizaceae
623.P53	Pezizales
623.P6	Phacidiaceae
623.P63	Phyllachoraceae
623.P66	Pleosporaceae
623.P68	Pleosporales
623.P8	Pseudosphaeriaceae
	Pyrenomycetes see QK623.A1
623.P93	Pyrenulaceae
623.P95	Pyronemataceae
623.R45	Rhytismataceae
623.S23	Saccharomycetaceae
623.S26	Sarcoscyphaceae
623.S27	Sarcosomataceae
623.S3	Sclerotiniaceae
623.S6	Sordariaceae
623.S73	Sphaeriaceae
623.S76	Sphaeriales
623.T3	Taphrinaceae
623.T54	Thermoascaceae

Cryptogams

Fungi

Systematic divisions

Ascomycetes

Special, A-Z -- Continued

623.T75

Trichocomaceae

623.T8

Tuberaceae

623.V35

Valsaceae

623.V46

Venturiaceae

623.X9

Xylariaceae

623.Z64

Zopfiaceae

Fungi imperfecti (Deuteromycetes)

General works, treatises, and textbooks

625.A1

Special, A-Z

625.A2-Z

625.A48

Agonomycetaceae

625.C76

Cryptococcaceae

625.D4

Dematiaceae

625.E9

Discellaceae see QK625.E9

Excipulaceae

625.L4

Hyphomycetes see QK625.A1

625.M4

Leptostromataceae

Melanconiaceae

625.M7

Melanconiales see QK625.M4

625.M74

Moniliaceae

Moniliales

625.M9

Mucedinaceae see QK625.M7

Mycelia Sterilia

Nectrioidaceae see QK625.Z9

Phyllostictaceae see QK625.S5

Phyllostictales see QK625.S6

625.R4

Rhizoctonia

625.S5

Sphaeroidaceae see QK625.S5

625.S6

Sphaeropsidaceae

Sphaeropsidales

625.S7

Stilbaceae see QK625.S7

625.T8

Stilbellaceae

625.Z9

Tuberculariaceae

Zythiaceae

Basidiomycota

General works, treatises, and textbooks

626

Teliomycetes

626.3

General works, treatises, and textbooks

626.5

Septobasidiales. Septobasidiaceae

627.A1

Uredinales (Rust fungi)

627.A2-Z

General works, treatises, and textbooks

627.C65

Special, A-Z

Coleosporiaceae

Cryptogams

Fungi

Systematic divisions

Basidiomycota

Teliomycetes

Uredinales (Rust fungi)

Special, A-Z -- Continued

627.C75

Cronartiaceae

627.M44

Melampsoraceae

627.P97

Pucciniaceae

Ustomycetes

627.3

General works, treatises, and textbooks

627.4

Cryptobasidiales. Cryptobasidiaceae

627.45

Cryptomycocolacales. Cryptomycocolacaceae

Exobasidiales

627.5

General works, treatises, and textbooks

627.53.A-Z

Special, A-Z

627.53.E93

Exobasidiaceae

627.6

Graphiolales. Graphiolaceae

627.7

Platyglloeales. Platyglloeaceae

627.8

Sporidiales. Sporidiobolaceae

Ustilaginales (Smut fungi)

628.A1

General works, treatises, and textbooks

628.A2-Z

Special, A-Z

628.T5

Tilletiaceae

628.U8

Ustilaginaceae

Basidiomycetes

628.5

General works, treatises, and textbooks

629.A-Z

Special, A-Z

629.A4

Agaricaceae

629.A44

Agaricales

629.A53

Amanitaceae

(629.A58)

Aphylllophorales

see QK628.5

629.A74

Athiliaceae

629.A8

Auriculales. Auriculariaceae

629.B58

Bolbitiaceae

629.B6

Boletaceae

629.B63

Boletales

629.C3

Cantharellaceae

629.C33

Cantharellales

629.C6

Clavariaceae

629.C783

Coriolaceae

629.C785

Corticaceae

629.C787

Cortinariaceae

629.C83

Crepidotaceae

629.C95

Cyphellaceae

Cryptogams

Fungi

Systematic divisions

Basidiomycota

Basidiomycetes

Special, A-Z,-- Continued

629.C97	Cystofilobasidiales. Cystofilobasidiaceae
629.D2	Dacrymycetaceae
629.E34	Echinodontiaceae
629.E56	Entolomataceae
(629.E9)	Exobasidiaceae
	see QK627.53.E93
629.F37	Favolaschiaceae
629.G18	Ganodermataceae
	Gasteromycetes see QK626+
629.G4	Geastraceae
	Geastrales see QK629.L92
629.G6	Gomphaceae
629.H8	Hydnaceae
629.H86	Hygrophoraceae
629.H89	Hymenochaetaceae
629.H9	Hymenogastraceae
	Hymenomycetes see QK626+
629.L33	Lachnocladiaceae
629.L9	Lycoperdaceae
629.L92	Lycoperdales
629.M4	Melanogastraceae
629.N5	Nidulariales. Nidulariaceae
629.P55	Peniophoraceae
629.P6	Phallaceae
629.P63	Phallales
629.P7	Polyporaceae
629.P74	Poriales
(629.R5)	Rhodophyllaceae
	see QK629.E56
629.R87	Russulaceae
629.S35	Sclerodermataceae
(629.S4)	Septobasidiaceae
	see QK626.5
629.S73	Stereaceae
629.S76	Strobilomycetaceae
629.S77	Strophariaceae
629.T4	Thelephoraceae
629.T67	Tremellaceae
629.T7	Tremellales
629.T73	Tricholomataceae
629.T8	Tulasnellaceae

Cryptogams

Fungi

Systematic divisions -- Continued

(633)

Myxobacterales

see QR82.M95

Myxomycetes (Slime molds)

635.A1

General works, treatises, and textbooks

635.A2-Z

Special, A-Z

635.C4

Ceratiomyxaceae

635.D5

Dictyosteliaceae

635.D53

Dictyosteliales

635.P5

Physaraceae

635.P6

Plasmodiophoraceae

635.P65

Plasmodiophorales

635.S8

Stemonitaceae

(638)

Eccrinales

see QK621.E3

Plant anatomy

Including plant morphology

Cf. QK665 Embryology

Cf. QK671 Histology

Cf. QK725 Cytology

640

Periodicals. Societies. Serials

640.2

Collected works (nonserial)

640.3

Congresses

640.4

Dictionaries and encyclopedias

641

General works, treatises, and textbooks

642

Pictorial works and atlases

642.5

Addresses, essays, lectures

(643)

Individual plants and groups of plants

see QK495+

Vegetative organs

644

Root and modifications. Root tubercles

Bacteriology of root nodules see QR113

644.5

Haustoria

Shoot

Including buds, apexes, etc.

645

General works

Stem

Including bulbs, rhizomes, types of branching

646

General works

646.7

Tree trunks

647

Wood

648

Bark

649

Leaf and modifications. Stipules

- Plant anatomy
 - Vegetative organs
 - Shoot -- Continued
 - 650 Appendages
 - Including trichomas, thorns, spines, tendrils, scales, hairs, etc.
 - 651 Thallus
 - Reproductive organs of spermatophytes
 - 652 General works
 - Flower and inflorescence
 - 653 General works
 - 654 Receptacle
 - Perianth
 - 655 General works
 - 656 Calyx
 - 657 Corolla
 - 658 Androecium. Palynology
 - Including stamens, pollen, etc.
 - 659 Gynoecium
 - Including pistils, ovary, etc.
 - Fruit and seed
 - 660 General works
 - 661 Seed
 - Cf. QK898.S43 Seed storage compounds
 - 662 Reproductive organs of cryptogams
 - 663 Alternation of generations
 - 664 Teratology
 - 665 Embryology
 - Including embryos, embryosacs, morphogenesis, spermatogenesis, etc.
 - (667) Phylogeny
 - see QK989
 - 669 Nomenclature of color as applied to plant description
 - 671 Histology
 - 673 Technique
 - Including microscopy, microtechnique, photomicrography
 - (683-707) Individual parts
 - see QK644+
 - Plant physiology
 - 710 Periodicals, societies, serial publications
 - 710.2 Congresses
 - General works, treatises, and textbooks
 - Through 1969
 - 711.2 1970-
 - 711.5 Juvenile works
 - Study and teaching. Research
 - 714 General works

- Plant physiology
Study and teaching. Research -- Continued
- 714.3 Problems, exercises, examinations
- 714.4 Experiments
- 714.5 Laboratory manuals
- Instruments and apparatus
- 715 General works
- 715.5 Phytotrons and growth chambers
- 717 Plant ecophysiology
Including plant resource allocation
For geographic treatment see QK108+
For systematic treatment see QK494+
For physiographic treatment see QK930+
- Physical plant physiology
- 720 Physiology of the vegetative organs (General)
For individual organs and groups of organs see QK644+
- 725 Plant cells and tissues
- 728 Molecular biology
- Growth. Development
Including pattern formation
Cf. QK665 Embryology
- 731 General works
- 740 Germination
- 745 Factors influencing growth
- Chemical agents affecting plants
Cf. S631+ Fertilizers
Cf. SB742+ Deficiency diseases
Cf. SD408 Use of fertilizers
- 746 General works, treatises, and textbooks
Including nutritive matter, etc.
- Pollutants
Cf. SB744.5+ Plant pathology
- 750 General works
- 751 Air pollutants
Cf. SB745 Plant pathology
- Special chemicals, A-Z
- 753.A-Z Acids
- 753.A25 Alkaloids
- 753.A4 Aluminum
- 753.A45 Arsenic
- 753.A78 Ascorbic acid see QK753.V58
- 753.A79 Atrazine
- 753.A8 Auxin
- 753.B4 Benzylaminopurine
- 753.B6 Borax
- 753.B7 Boron

Plant physiology

Physical plant physiology

Chemical agents affecting plants

Special chemicals, A-Z -- Continued

- 753.C16 Cadmium
- 753.C2 Calcium
- 753.C3 Carbon dioxide
- 753.C58 Chelates
- 753.C6 Chlorides
- 753.C62 Chlorophenoxyacetic acid
- 753.C67 Cobalt
- 753.C7 Colchicine
- 753.C74 Copper
- 753.C743 Copper chlorides
- 753.D4 Detergents
- 753.D5 Dichlorophenoxyacetic acid
- 753.E7 Essences and essential oils
- 753.E8 Ethylene
- 753.F5 Fluorescein
- 753.F53 Fluorides
- 753.G45 Galactose
- 753.G47 Gases
- 753.G5 Gibberellins. Gibberellic acid
- 753.H4 Heavy metals
- 753.H45 Herbicides
 - Cf. SB744.25 Herbicide injuries
- 753.H93 Hydrogen-ion concentration
- 753.I5 Indolacetic acid
- 753.I54 Insecticides
- 753.I6 Iodine
- 753.I7 Iron
- 753.L37 Latex
- 753.M27 Magnesium
- 753.M3 Manganese
- 753.M47 Metals
- 753.M56 Minerals
- 753.M6 Molybdenum
- 753.N5 Nitrates
- 753.N54 Nitrogen
- 753.P37 Pentachlorophenol
- 753.P4 Petroleum
- 753.P48 Phosphorus
- 753.P65 Poisons
- 753.P67 Polycyclic aromatic hydrocarbons
- 753.P7 Potassium
- 753.R33 Radioactive substances
 - Cf. SB746 Plant pathology

Plant physiology

Physical plant physiology

Chemical agents affecting plants

Special chemicals, A-Z -- Continued

753.S3	Salt
753.S32	Salts
753.S5	Silicon
753.S57	Sodium fluoride
753.S6	Sodium sulfate
753.S65	Succinic acid
753.S7	Sugars
753.S8	Sulfates
753.S84	Sulfur
753.S85	Sulfur dioxide
753.T5	Thallium
753.T53	Thiamine
753.T55	Thioureas
753.T7	Trace elements
753.T75	Tritium
753.V58	Vitamin C
753.X45	Xenobiotics
753.Z5	Zinc

Physical agents affecting plants (General)

Cf. QK870+ Effect of floods, water levels, etc.

754

General works

754.4

Atmosphere

Climate

Cf. QK913 Acclimatization

Cf. QK914 Phenology

Cf. S600+ Crops and climate

Cf. SD390.5+ Forests and climate

754.5

General works

Local see QK108+

754.7.A-Z

Special topics, A-Z

Drought tolerance see QK754.7.D75

754.7.D75

Droughts. Drought tolerance

Cf. SB791 Plant pathology

Frost see QK756

754.7.S55

Snow

Temperature see QK755+

754.7.W55

Wind

Cf. SB793 Plant pathology

Temperature

755

General works

755.5

Heat

Including heat production in plants

- Plant physiology
 - Physical plant physiology
 - Physical agents affecting plants (General)
 - Temperature -- Continued
 - 756 Cold. Frost
 - Cf. SB781 Plant pathology
 - 757 Radiation
 - Including light, X-rays, ultraviolet rays, etc.
 - 758 Electricity
 - 759 Mechanical forces
 - 759.5 Volcanic eruptions
 - 760 Space flight
 - 761 Periodicity. Dormancy. Photoperiodism
 - Aging. Senescence
 - 762.5 General works
 - 763 Shedding of leaves, etc. Abscission
 - 769 Miscellaneous special topics
 - Movements. Irritability in plants
 - 771 General works
 - Movements affecting growth
 - 773 Nutation. Torsion
 - Climbing plants, tendrils, etc.
 - 776 Miscellaneous induced movements
 - Including geotropism, phototropism, heliotropism, etc.
 - 791 Movements of variation (not affecting growth)
 - 793 Mechanics
 - Reproduction
 - Cf. QK982 Hybridization
 - 825 General works
 - 826 Asexual reproduction
 - Sexual reproduction
 - 827 General works
 - 828 Fecundation. Fertilization. Sterility
 - 830 Flowering
 - Cf. SB126.8 Plant culture
 - 840 Reparative processes. Regeneration
 - Cf. SD406 Tree surgery, etc.
 - 844 Luminescence. Light production
 - 845 Electrophysiology of plants
 - Cf. QK758 Effect of electricity on plants
 - Botanical chemistry. Phytochemicals
 - Cf. QK981.3 Biochemical genetics
 - Cf. QR148 Microbiological chemistry
 - 861 General works, treatises, and textbooks
 - Analysis and composition of plants
 - For chemistry of wood see TS932+
 - 865 General works

- Plant physiology
Botanical chemistry. Phytochemicals
Analysis and composition of plants -- Continued
(866) Chemical analysis of individual plants
see QK495+
Nutrition. Plant food. Assimilation of nitrogen, etc.
867 General works
Plant-water relationships
Including general works on the effects of water levels and
floods on plants
Cf. SB785 Plant pathology
870 General works
871 Absorption of water. Osmosis, sap movements, wilting,
translocation, etc.
873 Transpiration. Action of stomata, etc.
875 Gases in plants
876 Gases from plants
Metabolism
881 General works
882 Photosynthesis. Assimilation and utilization of carbon
dioxide
887 Formation of new organic matter
891 Respiration
894 Anaerobiosis
896 Fermentation. Enzymes, diastase, etc.
897 Miscellaneous products
898.A-Z Special plant constituents, A-Z
898.A15 Absciscic acid
898.A156 Acetolactate synthase
898.A16 Acetylenes
898.A18 Adenosine triphosphatase
898.A2 Albumins
898.A3 Algin
898.A4 Alkaloids
Cf. QD421+ Chemistry
898.A43 Allelochemicals. Allelopathic agents
898.A5 Amino acids
898.A52 Aminoacyl-tRNA
898.A53 Amyloid
898.A55 Anthocyanins
898.A57 Antioxidants
898.A59 Antiviral proteins
898.A67 Arabinoglactan
898.A7 Ascorbic acid
898.A74 Asparagine
898.A8 Auxin
898.B54 Bioactive compounds

Plant physiology

Botanical chemistry. Phytochemicals

Nutrition. Plant food. Assimilation of nitrogen, etc.

Special plant constituents, A-Z -- Continued

898.B56	Biogenic amines
898.B85	Brassinosteroids
898.C2	Calcium
898.C3	Carbohydrates
898.C34	Carotenoids
898.C35	Carotin
898.C42	Cellulose
898.C44	Chlorides
898.C45	Chlorine
898.C5	Chlorophyll
898.C52	Chloroplast DNA
898.C6	Cobalt
898.C94	Cytokinins
898.D44	Deoxyribonucleic acid. DNA
898.D46	Depsides
898.D54	Dimethylpropiothetin
	DNA see QK898.D44
898.E58	Enzymes
898.E75	Essences and essential oils
898.E8	Ethylene
898.F3	Fatty acids
898.F5	Flavonoids
898.F53	Flavonols
898.G45	Gibberellins
898.G475	Glucose
898.G48	Glutamate dehydrogenase
898.G485	Glutathione
898.G49	Gluten
898.G497	Glycoproteins
898.G5	Glycosides
898.H45	Hemicellulose
898.H67	Hormones
898.I53	Indole alkaloids
898.I55	Inositol
898.I7	Iron
898.I76	Isopentenoids
898.I78	Isoquinoline
898.I8	Isozymes
898.L23	Laccase
898.L3	Latex
898.L42	Lectins
898.L5	Lignin
898.L54	Limonoids

	Plant physiology
	Botanical chemistry. Phytochemicals
	Nutrition. Plant food. Assimilation of nitrogen, etc.
	Special plant constituents, A-Z -- Continued
898.L56	Lipids
898.L9	Lycopene
898.M25	Malate dehydrogenase
898.M28	Malonic acid
898.M3	Manganese
898.M8	Mucilage
898.N5	Nicotinic acid
898.N57	Nitrates
898.N58	Nitric oxide
898.N6	Nitrogen
898.N8	Nucleic acids
898.N83	Nucleotides
898.O4	Olive oil
898.O88	Oxalates
898.O9	Oxidases
898.O92	Oxygen
898.P2	Patellaric acid
898.P3	Patulin
898.P4	Pectin
898.P47	Peroxidase
898.P57	Phenols
898.P59	Phosphoproteins
898.P6	Phosphorus
898.P64	Phycobiliproteins
898.P65	Phytin
898.P66	Phytoalexins
898.P67	Phytochrome
898.P677	Phytoliths
898.P68	Phytomelanes
898.P7	Pigments
898.P75	Plumieride
898.P756	Polyamines
898.P76	Polymers
898.P764	Polyphenols
898.P77	Polysaccharides
898.P79	Protein kinases
898.P8	Proteins
898.P82	Proteolytic enzymes
898.P84	Protochlorophyllide
898.P97	Pyrrolizidines
898.S43	Seed storage compounds
	For works limited to special compounds see the compound, e.g., Proteins see QK898.P8

QK

Plant physiology

Botanical chemistry. Phytochemicals

Nutrition. Plant food. Assimilation of nitrogen, etc.

Special plant constituents, A-Z -- Continued

898.S45

Selenium

898.S48

Sesquiterpene lactones

898.S49

Sesquiterpenes

898.S55

Shikimic acid

898.S64

Solanine

898.S67

Starch

898.S7

Steroids

898.S78

Sugar

898.S8

Sulfur

898.T2

Tannins

898.T4

Terpenes

898.U68

Uric acid

898.U7

Uronic acids

898.V5

Vitamins

899

Miscellaneous special topics

Plant ecology

Cf. QH540+ General ecology

900

Periodicals. Societies. Serials

900.2

Congresses

900.4

Dictionaries

History

900.7

General works

900.73.A-Z

By region or country, A-Z

901

General works, treatises, and textbooks

(903)

Ecological discussion of areas

see QK108+

(905)

Plant ecophysiology

see QK717

909

Illustrations of floral ecology of regions

909.5

Vegetation productivity. Primary productivity

Cf. QK564+ Algae

Cf. QK882 Photosynthesis

Cf. QK933+ Phytoplankton

Cf. QK938.F6 Forest ecology

910

Vegetation dynamics

911

Vegetative interrelation. Plant communities. Phytosociology

Plant adaptation

912

General works

913

Acclimatization

Cf. QK754.5+ Vegetation and climate

914

Phenology

Nutritive adaptation

915

General works

Plant ecology

Plant adaptation

Nutritive adaptation -- Continued

- 916 Aquatics, ice plants, dew plants
- 917 Insectivorous plants. Carnivorous plants
- 918 Parasites, saprophytes, symbionts

Protective adaptations

- 921 General works
- 922 Epiphytes, xerophytes, salt-marsh and desert plants
 - Cf. QK938.D4 Desert flora
 - Cf. QK938.S27 Salt marsh flora
- 923 Spines, secretion, raphides
- 924 Myrmecophilism, acarophilism

924.5

Plant canopies

Reproductive interrelation

- 925 General works
- 926 Pollination
- 929 Dissemination

Physiographic regions (General)

For geographic treatment see QK108+

Water

- 930 General works
- 931 Marine
 - Cf. QK938.C6 Coasts
- Freshwater
 - 932 General works
 - 932.7 Streams
 - Cf. QK105 Flora

Phytoplankton

- 933 General works
- 934 Marine
- 935 Freshwater

Land

General

see QK101+ and QK901+

- 936 Tropics
- 937 Mountains
- 938.A-Z Other special, A-Z
 - Bogs see QK938.M3
 - 938.B8 Burned land
 - 938.C3 Caves
 - Chalk see QK938.L5
 - 938.C55 Cloud forest plants
 - 938.C6 Coasts
 - 938.D4 Deserts
 - 938.D9 Dunes

Plant ecology

Physiographic regions (General)

Land

Other special, A-Z -- Continued

938.F6

Forests

Cf. QK938.C55 Cloud forest plants

Cf. QK938.M27 Mangrove forests and swamps

Cf. QK938.R34 Rain forests

Cf. QK938.T34 Taigas

Grasslands see QK938.P7

938.H4

Heathlands

938.H44

Hedges. Hegerows

938.I84

Islands

938.L5

Limestone, chalk, etc.

938.M27

Mangrove forests and swamps

938.M3

Marshes, bogs, swamps, etc.

Cf. QK938.M27 Mangrove forests and swamps

Cf. QK938.P42 Peat bogs

938.M4

Meadows, pastures

938.M45

Mediterranean-type plants

Cf. QK314.5 Mediterranean Region

938.M6

Moors

938.P3

Paramos

Pastures see QK938.M4; QK938.M45

938.P42

Peatlands. Peat bogs

938.P7

Prairies. Grasslands. Velds

938.R34

Rain forests

938.R6

Rocks

938.S27

Salt marshes. Tide marshes

Cf. QK922 Halophytes

Cf. QK938.M27 Mangrove forests and swamps

938.S3

Sand barrens

938.S36

Seashore

938.S4

Semiarid regions

938.S45

Serpentines

938.S57

Shrublands

Swamps see QK938.M3

938.T34

Taigas

Tide marshes see QK938.S27

938.T8

Tundras

Velds see QK938.P7

938.V5

Vineyards

(940-977.5)

Topographical divisions

see QK108+

- Plant ecology -- Continued
- Evolution of plants (General)
 - For works limited to specific divisions, classes, etc. see QK494+
 - For works limited to special crops see SB177.A+
- 980 General works
- Genetics
 - 981 General works
 - 981.3 Biochemical genetics
 - 981.35 Cytogenetics
 - 981.4 Molecular genetics
 - 981.45 Genome mapping
 - 981.5 Genetic engineering
 - 981.7 Germplasm resources
 - Cf. SB123.3+ Crop germplasm resources
- 982 Hybridization
- 983 Variation
- 985 Selection, natural and artificial
 - For works limited to plant-breeding see SB123+
- 987 Degeneration
- 989 Phylogeny

Zoology

For animal ecology see QH540+

For animal culture see SF1+

1 Periodicals, societies, congresses, serial publications

3 Collected works (nonserial)

5 Voyages and expeditions

7 Encyclopedias

9 Dictionaries

Communication of information

9.2 General works

9.3 Information services

9.4 Computer network resources

Including the Internet

Classification. Nomenclature see QL351+

10 Terminology, notation, abbreviations

Cf. QL353+ Nomenclature

History

15 General works

21.A-Z By region or country, A-Z

Biography

26 Collective

31.A-Z Individual, A-Z

e.g.

31.A9 Audubon

31.C9 Cuvier

35 Directories

General works and treatises

41 Early through 1759

45 1760-1969

45.2 1970-

46 Pictorial works and atlases

46.5 Zoological illustrating

Textbooks

Advanced

47 Through 1969

47.2 1970-

Elementary

48 Through 1969

48.2 1970-

49 Juvenile works

Cf. SF75.5 Domestic animals

50 Popular works

For stories and anecdotes see QL791+

50.5 Zoology as a profession. Vocational guidance

Study and teaching. Research

51 General works

- Study and teaching. Research -- Continued
- 51.2.A-Z By region or country, A-Z
Each region or country subarranged by author
- 51.5 Problems, exercises, examinations
- 52 Outlines, syllabi
- 52.55 Activity programs
- 52.6 Experiments
- 53 Laboratory manuals
Cf. QL812+ Anatomy
Cf. QP44 Physiology
- 55 Laboratory animals
Class here general works only. Prefer systematic divisions for particular groups of animals
Cf. SF405.5+ Breeding and care
Cf. SF996.5 Diseases
- 57 Audiovisual aids
- 58 Other special
- 59 Wildlife attracting
Including gardening to attract wildlife
- 60 Wildlife watching
Including wildlife viewing sites
- 60.4 Radio tracking
- 60.5 Wildlife marking
Cf. QL645.6+ Amphibians and reptiles
Cf. QL677.5 Birds
- 60.7 Age determination
- Collection and preservation
Class here general works only. For works on collecting particular animals or the fauna of particular places, see systematic or geographical subdivisions in QL
Cf. QL465 Insects
Cf. QL677.7 Birds
- 61 General works, treatises, and textbooks
- Collecting techniques
- 62 General works
- 62.5 Immobilization
Cf. SF760.A55 Veterinary medicine
- 63 Taxidermy
Cf. QL618.6 Fish mounting
- 64 Models and modelmaking
- 67 Preservation techniques
- Laboratories, institutes, university departments, etc.
Class here descriptions, catalogs, annual reports, etc.
For serial research publications see QL1
- 69.A1 General works
- 69.A3-Z By region or country, A-Z
Subarrange each country by Table Q6

- Museums. Exhibitions
 Class here descriptions, catalogs, annual reports, etc.
 For serial research publications see QL1
- 71.A1 General works
 71.A2-Z By region or country, A-Z
 Subarrange each country by Table Q5
- 72 Commercial lists
 Menageries
- 73.A1 General works
 73.A2-Z By region or country, A-Z
 Subarrange each country by Table Q5
- Zoos. Zoological gardens
- 76 General works
 76.5.A-Z By region or country, A-Z
 Subarrange each country by Table Q5
- 77.5 Zoo animals
 Cf. SF408+ Culture and care
 Cf. SF995.84+ Veterinary medicine
- Public aquariums
 Cf. SF456+ Home aquariums
- 78 General and freshwater aquariums
 78.5 Marine aquariums. Saltwater aquariums
 79.A-Z By region or country, A-Z
 Subarrange each country by Table Q5
- 81 Addresses, essays, lectures
 Wildlife conservation. Rare animals. Endangered species.
 Wildlife refuges. Wildlife habitat improvement
 Including rare and endangered vertebrates
 For conservation of particular animals and groups of animals, see
 QL366+
 For habitat improvement of game animals see SK356.W54
 Cf. HE5620.W54 Wildlife and traffic safety
 Cf. QL676.5+ Bird refuges
 Cf. SK351+ Wildlife management. Game protection
 Cf. SK590+ Wild animal trade
- 81.5 Periodicals. Societies. Congresses
 81.7 History (General)
 For history of a particular place see QL84+
- 82 General works
 83 Juvenile works
 83.15 Study and teaching. Research
 83.17 Wildlife monitoring
 For local see QL101+
- 83.2 Wildlife rescue
 Including wildlife relocation and replacement, rescue of injured
 or orphaned animals, etc.
 Cf. SF996.45 Wildlife rehabilitation

- Wildlife conservation. Rare animals. Endangered species.
 Wildlife refuges. Wildlife habitat improvement -- Continued
- 83.4 Wildlife reintroduction
 By region or country
 North America
- 84 General works
 United States
- 84.2 General works
 84.22.A-Z By region or state, A-Z
 Canada
- 84.24 General works
 84.26.A-Z By region or province, A-Z
 84.28 Mexico
 Central America
- 84.285.A1 General works
 84.285.A3-Z By region, country, or island, A-Z
 West Indies
- 84.29.A1 General works
 84.29.A3-Z By region, country, or island, A-Z
 South America
- 84.3.A1 General works
 84.3.A3-Z By region, country, or island, A-Z
 Europe
- 84.4.A1 General works
 84.4.A3-Z By region, country, or island, A-Z
 Asia
- 84.5.A1 General works
 84.5.A3-Z By region, country, or island, A-Z
 Africa
- 84.6.A1 General works
 84.6.A3-Z By region, country, or island, A-Z
 Australia and Indo-Pacific islands
- 84.7.A1 Australia
 84.7.A3-Z Other. By region, country, or island, A-Z
- 85 Animals and civilization. Human-animal relationships
- 86 Animal introduction
 Cf. SB990+ Pest introduction
 Cf. SF87 Acclimatization of livestock
- 87 Animals in the ancient world
 Bible zoology see BS663
- 87.5 Dead animals
 Extinct animals
 Including extinction
 Cf. QL81.5+ Endangered animals
 Cf. QL676.8 Extinct birds
 Cf. QL707 Extinct mammals
- 88 General works

- Extinct animals -- Continued
- 88.15.A-Z By region or country, A-Z
- Cryptozoology
- 88.3 General works
- 88.5 Living fossils
- Alleged animals
 - Cf. BF1484 Animal ghosts
 - Cf. GR705+ Animal folklore
 - Cf. GR825+ Mythical animals
 - Cf. GR910 Mermaids. Sea monsters
- 89 General works
- 89.2.A-Z By animal, A-Z
 - Abominable snowman see QL89.2.Y4
 - Beast of Exmoor
 - Champ (Monster)
 - Chupacabras
 - Loch Ness monsters
 - Mokele-mbembe
 - Morag
 - Mothman
 - Ogopogo
 - Ropen
 - Sasquatch
 - Sea serpents
 - Serpents
 - Yeti
- (95) Noxious animals
 - see SF84+
- 99 Medical zoology
 - Cf. RA639+ Transmission of disease
- Dangerous animals. Poisonous animals
 - Cf. QL468.8 Insects
 - Cf. QL618.7 Fishes
 - Cf. QP631+ Toxins, venom, poisons
- 100 General works
- 100.5 Animal attacks
- Geographical distribution
- 101 General works, treatises, and textbooks
- Polar regions
- 104 General works
- 105 Arctic regions
 - Including Greenland
 - Cf. QL126 Arctic Ocean
- 106 Antarctica
 - Cf. QL126.5 Antarctic Ocean
- 107 Temperate regions
- 109 Tropics

Geographical distribution -- Continued

Physiographic divisions

Soil

Cf. QR111+ Soil microorganisms

110

General works

110.5

Compost

Land

111

Islands

Cf. QL125 Coral reefs

112

Forests

113

Mountains

Cf. QL254 Alps

113.77

Valleys. Floodplains

Wetlands

113.8

General works

114

Marshes. Tidemarshes

114.5

Swamps

115

Plains

Grasslands. Prairies

115.3

General works

115.5

Meadows. Fields

116

Deserts

117

Caves

118

Subterranean waters

Including groundwater

119

Gardens

Water

120

General works, treatises, and textbooks

120.5

Suspension feeders

Ocean

121

General works

122

Popular works

122.2

Juvenile works

123

Zooplankton

(124)

Animal ecology of the ocean

see QH541.5.S3

125

Coral reefs

125.5

Deep-sea

125.6

Hydrothermal vents

126

Arctic Ocean

126.5

Antarctic Ocean

Atlantic Ocean

127

General works

128

North Atlantic Ocean. North Sea, etc.

131

Baltic Sea

132

Black Sea. Sea of Azov

133

Mediterranean Sea

	Geographical distribution
	Physiographic divisions
	Water
	Ocean
	Atlantic Ocean -- Continued
134	Gulf of Mexico
134.5	Caribbean Sea
135	South Atlantic Ocean
137	Indian Ocean. Red Sea
137.5	Indo-Pacific Region
138	Pacific Ocean
139	Brackish water. Estuaries
	Fresh water
141	General works
	Groundwater see QL118
142	Water surface. Surface films. Neuston
143	Zooplankton
145	Streams
146	Lakes
146.3	Ponds
147	Springs
	Including hot springs
148	Wells
149	Stagnant water
	Topographical divisions (Faunas)
	America
150	General works
	North America
151	General works
	United States
155	General works
157.A-Z	By region, A-Z
157.A84	Atlantic Coast
157.M52	Middle Atlantic States
157.M53	Middle West
157.N48	New England
157.N67	Northeastern States
157.P33	Pacific Coast
157.S68	Southern States
157.S69	Southwestern States
	Including Southwest, New
159	Alabama
161	Alaska
162	Arizona
163	Arkansas
164	California
165	Colorado

Geographical distribution
Topographical divisions (Faunas)

America

North America

United States -- Continued

166	Connecticut
167	Delaware
168	District of Columbia
169	Florida
171	Georgia
	Hawaii see QL345.H3
172	Idaho
173	Illinois
175	Indiana
176	Iowa
177	Kansas
178	Kentucky
179	Louisiana
181	Maine
182	Maryland
183	Massachusetts
184	Michigan
185	Minnesota
186	Mississippi
187	Missouri
188	Montana
189	Nebraska
191	Nevada
192	New Hampshire
193	New Jersey
194	New Mexico
195	New York
196	North Carolina
197	North Dakota
198	Ohio
199	Oklahoma
201	Oregon
202	Pennsylvania
203	Rhode Island
204	South Carolina
205	South Dakota
206	Tennessee
207	Texas
208	Utah
209	Vermont
211	Virginia
212	Washington

Geographical distribution

Topographical divisions (Faunas)

America

North America

United States -- Continued

213

West Virginia

214

Wisconsin

215

Wyoming

Including Yellowstone National Park

Canada

219

General works

221.A-Z

By region or province, A-Z

Latin America

223

General works

225

Mexico

Central America

227

General works

228.A-Z

By region or country, A-Z

West Indies. Caribbean Area

229.A2

General works

229.A4-Z

By individual island or group of islands, A-Z

229.A58

Antilles, Lesser

229.B3

Bahamas

229.C39

Cayman Islands

229.C9

Cuba

229.D65

Dominica

229.H35

Haiti

229.H57

Hispaniola

229.I5

Inagua

229.L4

Leeward Islands

229.P6

Puerto Rico

229.T7

Trinidad

229.V57

Virgin Islands

234

Bermuda

South America

235

General works

By region or country

239

Argentina

241

Bolivia

242

Brazil

243

Chile

244

Colombia

245

Ecuador

For Galapagos Islands see QL345.G2

246

Guyana (British Guiana)

246.2

Suriname (Dutch Guiana)

246.4

French Guiana

Geographical distribution

Topographical divisions (Faunas)

America

Latin America

South America

By region or country -- Continued

247

Paraguay

247.4

Paraná River

248

Peru

249

Uruguay

251

Venezuela

Atlantic Ocean islands

252.A1

General works

252.A3-Z

By individual island or group of islands, A-Z

Bermuda see QL234

252.C35

Cape Verde

252.F32

Faroe Islands

Europe

253

General works

254

Regions not limited to a single country (not A-Z)

Including Alps, Balkan Peninsula, Baltic States, etc.

British Isles. Great Britain

255

General works

256

England

257

Ireland

257.5

Northern Ireland

258

Wales

259

Scotland

261

Austria

262

Hungary

France

263

General works

264

Colonies and mandated territories

265

Germany

271

Greece

273

Italy

273.5

Malta

275

Netherlands

277

Belgium

278

Luxembourg

281

Russia. Soviet Union. Russia (Federation)

Cf. QL331 Russia in Asia. Siberia. Russian Far East

Cf. QL332+ Central Asia

Cf. QL333.7 Caucasus

282

Belarus

282.5

Moldova

283

Ukraine

Geographical distribution

Topographical divisions (Faunas)

Europe -- Continued

- 284 Poland
- 285 Finland
- 286 Scandinavia (General)
- Denmark
- 287 General works
- Faroe Islands see QL252.F32
- 288 Iceland
- 289 Norway
- 291 Sweden
- 293 Spain
- 294 Portugal
- Including the Azores, Madeira, etc.
- 296 Switzerland
- 297 Turkey in Europe
- For Balkan Peninsula (General) see QL254
- For individual Balkan countries see QL298.A+
- For Turkey in Asia see QL333.5
- 298.A-Z Other European countries, A-Z
- 298.B8 Bulgaria
- 298.C8 Czechoslovakia. Czech Republic
- 298.E86 Estonia
- 298.L3 Latvia
- 298.L58 Lithuania
- 298.R8 Romania
- 298.S65 Slovakia
- 298.Y8 Yugoslavia
- Asia
- 300 General works
- 304 Afghanistan
- 305 Arabian Peninsula (General)
- For individual countries see QL334.A+
- (306) Baluchistan
- 307 China
- 307.2 Taiwan
- 308 East Indies
- 309 India
- Indochina. Malay Peninsula
- 312 General works
- 313 Vietnam
- 314 Cambodia
- 315 Laos
- 317 Thailand
- 318 Straits Settlements
- Malay Archipelago

Geographical distribution

Topographical divisions (Faunas)

Asia

East Indies

Malay Archipelago -- Continued

319

General works

319.5

Borneo. Kalimantan

320

Brunei

321

Indonesia

For Kalimantan see QL319.5

For Papua see QL322.5

322

Malaysia

322.5

New Guinea

Including Papua (Indonesia) and Papua New Guinea

323

Philippines

Japan

325

General works

325.3

Ryukyu Islands

Including Okinawa

327

Korea

329

Iran

331

Russia in Asia. Siberia. Russian Far East

Central Asia

332

General works

332.3

Kazakhstan

332.4

Kyrgyzstan

332.5

Tajikistan

332.6

Turkmenistan

332.7

Uzbekistan

333

Israel. Palestine

333.3

Syria

333.5

Turkey in Asia. Asia Minor

333.7

Caucasus

Including Armenia, Azerbaijan, Georgia (Republic)

334.A-Z

Other regions or countries, A-Z

(334.A75)

Asia, Western

see QL334.M53

334.B34

Bangladesh

334.B87

Burma. Myanmar

334.C4

Ceylon. Sri Lanka

334.M53

Middle East

334.M65

Mongolia

Myanmar see QL334.B87

334.N44

Nepal

334.O53

Oman

334.P4

Pakistan

334.S28

Saudi Arabia

Geographical distribution

Topographical divisions (Faunas)

Asia

Other regions or countries, A-Z -- Continued

Sri Lanka see QL334.C4

Turkmenistan

see QL332.6

Africa

336

General works

337.A-Z

By region or country, A-Z

337.A44

Algeria

337.A5

Angola

337.B44

Benin

337.B68

Botswana. Bechuanaland

337.B8

British East Africa

337.B9

Burkina Faso. Upper Volta

337.B94

Burundi

337.C25

Cameroon

Cape Verde see QL252.C35

337.C43

Central Africa

337.C44

Central African Republic

337.C48

Chad

337.C57

Congo (Brazzaville)

337.C58

Congo (Democratic Republic). Zaire

Côte d'Ivoire see QL337.I8

337.D53

Djibouti

337.E25

East Africa

337.E3

Egypt

337.E75

Equatorial Guinea

337.E76

Eritrea

337.E8

Ethiopia

337.F7

French-speaking Equatorial Africa

337.F75

French-speaking West Africa

337.G32

Gabon

337.G34

Gambia

337.G56

Ghana

337.G77

Guinea

337.G8

Guinea-Bissau

337.I8

Ivory Coast. Côte d'Ivoire

337.K3

Kalahari Desert

337.K4

Kenya

337.L46

Lesotho

337.L7

Liberia

337.L72

Libya

337.L83

Luangwa Valley

337.M2

Malagasy Republic. Madagascar

337.M28

Malawi

Geographical distribution

Topographical divisions (Faunas)

Africa

By region or country, A-Z -- Continued

- 337.M33 Mali
- 337.M37 Mauritania
- 337.M65 Mauritius see QL337.6.M36
- 337.M7 Morocco
- 337.N27 Mozambique
- 337.N47 Namibia
- 337.N5 Niger
- 337.N55 Nigeria
- 337.R4 Nimba, Mount, Region
- 337.R95 Rhodesia, Northern see QL337.Z3
- 337.S3 Rhodesia, Southern. Zimbabwe
- 337.S34 Rwanda
- 337.S44 Sahara
- 337.S54 Sao Tome and Principe
- 337.S6 Senegal
- 337.S65 Sierra Leone
- 337.S66 Somalia
- 337.S78 South Africa
- 337.S8 Southern Africa
- 337.S93 Southwest Africa see QL337.N27
- 337.T27 Sub-Saharan Africa
- 337.T3 Sudan
- 337.T7 Swaziland
- 337.T84 Tanganyika, Lake
- 337.U35 Tanzania
- 337.W4 Togo
- 337.W45 Tunisia
- 337.Z3 Uganda
- 337.Z3 West Africa
- 337.Z3 Western Sahara
- 337.Z3 Zambia
- 337.Z3 Zimbabwe see QL337.R4

Indian Ocean islands

- 337.5 General works
- 337.6.A-Z By island or group of islands, A-Z
- 337.6.M34 Maldives
- 337.6.M36 Mauritius

Australia

- 338 General works
- 339.A-Z By state or territory, A-Z
- 340 New Zealand

Including adjacent islands

Pacific islands

	Geographical distribution
	Topographical divisions (Faunas)
	Pacific islands -- Continued
345.A1	General works
345.A3-Z	By individual island or group of islands, A-Z
345.C65	Cook Islands
345.F53	Fiji
345.G2	Galapagos Islands
345.G83	Guam
345.H3	Hawaii
345.M3	Marquesas Islands
345.M34	Marshall Islands
345.M53	Micronesia
345.N3	New Caledonia
	New Guinea see QL322.5
345.P35	Palau
	Ryukyu Islands see QL325.3
345.T3	Tahiti
345.T65	Tonga
	Arctic regions, Antarctica see QL104+
	Tropics see QL109
	Classification. Systematics and taxonomy
351	Principles
352	Systems
	Nomenclature
353	General works. Principles
354	Nomenclators and checklists
355	Popular names
	Invertebrates
360	Dictionaries and encyclopedias
362	General works, treatises, and textbooks
362.4	Juvenile works
	Rare and endangered species
362.45	General works
362.46.A-Z	By region or country, A-Z
362.5	Classification
362.7	Catalogs and collections
362.75	Evolution
362.8	Methods, culture, etc.
362.85	Immunology
362.9	Genetics
363	Anatomy and morphology
363.5	Metamorphosis
363.8	Cytology
364	Physiology
364.15	Reproduction

	Invertebrates -- Continued
364.18	Development
	Including larvae
364.2	Behavior
364.3	Feeding and feeds
364.4	Ecology
364.5	Coloniality. Animal colonies
	Class here works on groupings of physically interconnected animals having a common ancestry through asexual reproduction
365	Animalcules. Early works on infusoria
	Geographical distribution
	For geographical distribution of systematic divisions, see the division, e. g. QL366+, Protozoa
365.3	General works
	Physiographic divisions
365.34	Soil
	Aquatic
365.36	General works
365.363	Marine
365.365	Freshwater
	Topographic divisions
365.4	North America (United States and Canada) (Table Q3)
	Latin America
365.43	General works
365.44	Mexico, Central America, and West Indies (Table Q3)
365.45	South America (Table Q3)
365.46	Atlantic Ocean and islands (Table Q3)
365.47	Europe (Table Q3)
365.48	Asia (Table Q3)
365.5	Africa (Table Q3)
365.53	Indian Ocean and islands (Table Q3)
365.54	Australia
365.55	New Zealand
365.56	Pacific Ocean and islands. Oceania (Table Q3)
365.57	Arctic Ocean and regions
365.58	Antarctic Ocean and Antarctica
365.6	Tropics
	Protozoa
	Cf. QR251+ Pathogenic protozoa
366	General works, treatises, and textbooks
366.5	Classification
	Geographical distribution
	For geographical distribution of systematic divisions see QL368.A115+
367	General works
367.1	North America (United States and Canada) (Table Q3)

QL

Invertebrates

Protozoa

Geographical distribution -- Continued

367.2	Mexico, Central America, and West Indies (Table Q3)
367.3	South America (Table Q3)
367.4	Europe (Table Q3)
367.5	Asia (Table Q3)
367.6	Africa (Table Q3)
367.7	Australia
367.75	New Zealand
367.8	Pacific islands (Table Q3)
367.9	Arctic regions
367.95	Antarctica
367.96	Tropics

Systematic divisions

368.A115	Plasmodroma
368.A12	Mastigophora (Phytomastigia; Zoomastigia). Flagellata
368.A14	Sarcodina (Rhizopoda; Actinopoda)
368.A16	Apicomplexa (Sporozoa)
368.A18	Cnidosporidia
368.A2	Ciliophora
368.A22	Ciliata (Holotricha; Spirotricha; Peritricha)
	Suctoria see QL368.S9

368.A3-Z

By order or higher taxa, A-Z

Class works on species, genera, and families by order

368.A32	Acantharia
368.A33	Acanthometrida
368.A335	Acanthophractida
368.A36	Aconchulinida
368.A38	Acrasida
368.A4	Actinomyxida
368.A44	Actinophryida
368.A5	Amoebida
368.A57	Apostomatida
368.A63	Arcellinida
368.A66	Archigregarinida
368.A8	Astomatida
368.A85	Athalamida
368.B5	Bicosoecida
368.B55	Blastocystida
368.C4	Centrohelida
368.C48	Chloromonadida
368.C5	Choanoflagellida
368.C54	Chonotrichida
368.C57	Chrysomonadida
368.C59	Coccidia
368.C6	Coccolithophorida

Invertebrates

Protozoa

Systematic divisions

By order or higher taxa, A-Z -- Continued

368.C8	Cryptomonadida
	Ctenostomatida see QL368.O4
368.D4	Desmothoracida
(368.D6)	Dinoflagellida
	see QK569.D56
368.D65	Diplomonadida
368.E2	Ebriida
368.E5	Entodiniomorphida
(368.E9)	Euglenida
	see QK569.E93
368.E92	Eugregarinida
368.E95	Eumycetosoida
368.F6	Foraminiferida
368.G8	Gregarinida
368.G85	Gromiida
368.G9	Gymnostomatida
368.H33	Haemosporida
368.H34	Haplosporida
368.H4	Helicosporida
368.H5	Heliozoida
368.H53	Heterochlorida. Xanthomonadida
368.H55	Heterotrichida
368.H87	Hymenostomatida
368.H9	Hypermastigida
368.H95	Hypotrichida
	Infusoria see QL366
368.K5	Kinetoplastida
368.L3	Labyrinthulida
368.L62	Lobosa
368.M5	Microsporida
368.M78	Mycetozoida
368.M8	Myxosporida
368.N4	Neogregarinida
368.O3	Oculosida
368.O4	Odontostomatida. Ctenostomatida
368.O5	Oligotrichida
368.O7	Opalinida
368.O9	Oxynomadida
368.P4	Peritrichida
	Phytomonadida see QL368.V6
368.P52	Piroplasmida
368.P55	Plasmodiophorida
368.P62	Polymastigida

Invertebrates

Protozoa

Systematic divisions

By order or higher taxa, A-Z -- Continued

- 368.P65 Porulosida
- 368.P7 Proteomyxida
- 368.P74 Protococcida
- 368.P76 Protomastigida see QL368.P76
- 368.R2 Protomonadida. Protomastigida
- 368.R43 Radiolarida
- 368.R5 Retortamonadida
- (368.S5) Rhizomastigida
- 368.S9 Sarcosporida see QL368.T6
- 368.T4 Silicoflagellida
- 368.T5 see QK569.S53
- 368.T5 Suctorida
- 368.T5 Testacida
- 368.T55 Thigmotrichida
- 368.T6 Tintinnida
- 368.T7 Toxoplasmodia. Sarcosporida
- 368.T76 Trichomonadida
- 368.V6 Trichostomatida
- 368.X4 Volvocida. Phytomonadida
- 369 Xanthomonadida see QL368.H53
- 369.2 Xenophyophorida

Anatomy and morphology

Physiology

Porifera (Sponges)

- 370.7 Periodicals, societies, congresses, serial collections
- 371 General works, treatises, and textbooks
- 371.2 Pictorial works and atlases
- 371.4 Popular works
- 371.6 Juvenile works

Geographical distribution

For geographical distribution of systematic divisions
see QL373.A+

- 372 General works
- 372.1 North America (United States and Canada) (Table Q3)
- 372.2 Mexico, Central America, and West Indies (Table Q3)
- 372.3 South America (Table Q3)
- 372.4 Europe (Table Q3)
- 372.5 Asia (Table Q3)
- 372.6 Africa (Table Q3)
- 372.7 Australia
- 372.75 New Zealand
- 372.8 Pacific islands (Table Q3)
- 372.9 Arctic regions

Invertebrates

Porifera (Sponges)

Geographical distribution -- Continued

372.95

Antarctica

372.96

Tropics

373.A-Z

Systematic divisions. By class, A-Z

Class here works on species, genera, families and orders

373.C2

Calcispongiae (Calcarea)

373.D4

Demospongiae

373.H6

Hyalospongea (Hexactinellida)

374

Anatomy and morphology

374.2

Physiology

Cnidaria

375

General works, treatises, and textbooks

375.2

Pictorial works and atlases

375.4

Popular works

375.6

Juvenile works

Geographical distribution

For geographical distribution of systematic divisions

see QL377.A+

376

General works

376.1

North America (United States and Canada) (Table Q3)

376.2

Mexico, Central America, and West Indies (Table Q3)

376.3

South America (Table Q3)

376.4

Europe (Table Q3)

376.5

Asia (Table Q3)

376.6

Africa (Table Q3)

376.7

Australia

376.75

New Zealand

376.8

Pacific islands (Table Q3)

376.9

Arctic regions

376.95

Antarctica

376.96

Tropics

377.A-Z

Systematic divisions. By class, A-Z

Anthozoa (Corals)

377.C5

General works

377.C6

Alcyonaria

377.C7

Zoantharia

Ctenophora see QL380+

377.H9

Hydrozoa (Hydromedusae; hydroids)

377.S4

Scyphozoa (Scyphomedusae; jellyfish)

378

Anatomy and morphology

378.2

Physiology

379

Zoophyta (old sense)

Ctenophora

380

General works, treatises, and textbooks

Invertebrates

Ctenophora -- Continued

Geographical distribution

For geographical distribution of systematic divisions
see QL380.5.A+

- 380.3 General works
- 380.32 North America (United States and Canada) (Table Q3)
- 380.35 Mexico, Central America, and West Indies (Table Q3)
- 380.37 South America (Table Q3)
- 380.4 Europe (Table Q3)
- 380.42 Asia (Table Q3)
- 380.44 Africa (Table Q3)
- 380.46 Australasia and Indo-Pacific islands (Table Q3)
- 380.48 Polar regions
- 380.49 Tropics
- 380.5.A-Z Systematic divisions. By classes and orders

Class works on species, genera, and families by order

- 380.5.N8-.N83 Nuda
- 380.5.N8 General works
- 380.5.N83 Beroida
- 380.5.T4-.T47 Tentaculata
- 380.5.T4 General works
- 380.5.T42 Cestida
- 380.5.T429 Cydippida
- 380.5.T45 Lobata
- 380.5.T47 Platyctenea
- 380.7 Anatomy and morphology
- 380.8 Physiology

Echinodermata

- 381 General works, treatises, and textbooks
- 382 Classification
- 382.2 Catalogs and collections
- Geographical distribution
- For geographical distribution of systematic divisions
see QL384.A+

- 383 General works
- 383.1 North America (United States and Canada) (Table Q3)
- 383.2 Mexico, Central America, and West Indies (Table Q3)
- 383.3 South America (Table Q3)
- 383.35 Atlantic islands (Table Q3)
- 383.4 Europe (Table Q3)
- 383.5 Asia (Table Q3)
- 383.6 Africa (Table Q3)
- 383.7 Australia
- 383.75 New Zealand
- 383.8 Pacific islands (Table Q3)
- 383.9 Arctic regions

	Invertebrates
	Echinodermata
	Geographical distribution -- Continued
383.95	Antarctica
383.96	Tropics
384.A-Z	Systematic divisions. By class, A-Z
	Class works on species, genera, families, and orders by class
384.A8	Asteroidea (Starfishes)
384.C8	Crinoidea
384.E2	Echinoidea (Sea urchins)
384.H7	Holothurioidea (Sea cucumbers)
384.O6	Ophiuroidea (Brittle stars)
385	Anatomy and morphology
385.2	Physiology
	Worms and other vermiform invertebrates
386.A1	Periodicals, societies, congresses, serial publications
386.A3-Z	General works, treatises, and textbooks
	Cf. QL392.A1+ Helminthology
386.6	Juvenile works
387	Classification
387.2	Catalogs and collections
	Geographical distribution
	For geographical distribution of systematic divisions
	see QL391.A+
388	General works, treatises, and textbooks
388.1	North America (United States and Canada) (Table Q3)
388.2	Mexico, Central America, and West Indies (Table Q3)
388.3	South America (Table Q3)
388.4	Europe (Table Q3)
388.5	Asia (Table Q3)
388.6	Africa (Table Q3)
388.7	Australia
388.75	New Zealand
388.8	Pacific islands (Table Q3)
388.9	Arctic regions
388.95	Antarctica
388.96	Tropics
391.A-Z	Systematic divisions. By phylum, A-Z
391.A2	Acanthocephala (Spiny-headed worms)
391.A6	Annelida (Segmented worms)
	Cestoda see QL391.P7
391.C6	Chaetognatha (Arrowworms)
391.E2	Echiura
391.G2	Gastrotricha
	Gephyrea (Gastrotricha) see QL391.E2
	Gephyrea (Sipuncula) see QL391.S5
391.G63	Gnathostomulida

Invertebrates

Worms and other vermiform invertebrates

Systematic divisions. By phylum, A-Z -- Continued

- 391.K5 Hirudinea see QL391.A6
- 391.L67 Kinorhyncha (Echinodera)
- 391.M4 Loricifera
- 391.N4 Mesozoa
- 391.N5 Nematoda (Roundworms)
- 391.N6 Nematomorpha (Gordiaceae; horsehair worms)
- Oligochaeta see QL391.A6
- Onychophora see QL448
- Pentastomida see QL447.3
- 391.P5 Phoronida
- 391.P7 Platyhelminthes (Flatworms)
- (391.P85) Pogonophora
 - see QL391.A6
- Polychaeta see QL391.A6
- 391.P93 Priapulida
- 391.R8 Rotifera
- 391.S5 Sipuncula
- Trematoda see QL391.P7
- Turbellaria see QL391.P7

Helminthology

For geographic treatment see QL388+

- 392.A1 Periodicals, societies, congresses, serial publications
- 392.A3-Z General works, treatises, and textbooks

393 Anatomy and morphology

394 Physiology

Brachiopoda (Lamp shells)

395 General works, treatises, and textbooks

395.1 Classification

395.15 Catalogs and collectors

Geographical distribution

For geographical distribution of systematic divisions

see QL395.8.A+

- 395.2 North America (United States and Canada) (Table Q3)
- 395.23 Mexico, Central America, and West Indies (Table Q3)
- 395.25 South America (Table Q3)
- 395.3 Europe (Table Q3)
- 395.4 Asia (Table Q3)
- 395.5 Africa (Table Q3)
- 395.6 Australia
- 395.63 New Zealand
- 395.67 Pacific islands (Table Q3)
- 395.7 Arctic regions
- 395.75 Antarctica

	Invertebrates
	Brachiopoda (Lamp shells)
	Geographical distribution -- Continued
395.76	Tropics
395.8.A-Z	Systematic divisions. By family, A-Z
	Class here works on species, genera, and families
	For works on higher taxa, see QL395+
395.8.C7	Craniidae
395.8.L7	Lingulidae
395.8.R5	Rhynchonellidae
395.8.T4	Terebratulidae
395.9	Anatomy and morphology
395.95	Physiology
	Bryozoa (Ectoprocta; Polyzoa)
396	General works, treatises, and textbooks
396.5	Classification
396.7	Catalogs and collections
	Geographical distribution
	For geographical distribution of systematic divisions
	see QL398.A+
397	General works
397.1	North America (United States and Canada) (Table Q3)
397.2	Mexico, Central America, and West Indies (Table Q3)
397.3	South America (Table Q3)
397.4	Europe (Table Q3)
397.5	Asia (Table Q3)
397.6	Africa (Table Q3)
397.7	Australia
397.75	New Zealand
397.8	Pacific islands (Table Q3)
397.9	Arctic regions
397.95	Antarctica
397.96	Tropics
398.A-Z	Systematic divisions. By order, A-Z
	Class here works on species, genera, families, and orders
	Class higher taxa in+
398.C5	Cheilostomata
398.C8	Ctenostomata
398.C9	Cyclostomata
	Ectoprocta see QL396+
	Entoprocta see QL400+
398.L6	Lophopoda
399	Anatomy and morphology
399.2	Physiology
	Entoprocta (Callyssozoa; Endoprocta)
400	General works, treatises, and textbooks

Invertebrates

Entoprocta (Callyssozoa; Endoprocta) -- Continued

Geographical distribution

For geographical distribution of systematic divisions
see QL400.5.A+

- 400.3 General works
- 400.32 North America (United States and Canada) (Table Q3)
- 400.35 Mexico, Central America, and West Indies (Table Q3)
- 400.37 South America (Table Q3)
- 400.4 Europe (Table Q3)
- 400.42 Asia (Table Q3)
- 400.44 Africa (Table Q3)
- 400.46 Australasia and the Indo-Pacific islands (Table Q3)
- 400.48 Polar regions
- 400.49 Tropics
- 400.5.A-Z Systematic divisions. By family, A-Z
 - Class here works on species, genera, and families
 - Class higher taxa in QL400+
- 400.5.L6 Loxosomatidae
- 400.5.P4 Pedicellinidae
- 400.5.U7 Urnatellidae

Mollusca

Cf. SH365+ Oyster culture and fisheries

- 401 Periodicals, societies, congresses, serial publications
- 402 Collected works (nonserial)
- 402.3 Dictionaries and encyclopedias
- 403 General works, treatises, and textbooks
- 404 Pictorial works and atlases
- 405 Popular works
- 405.2 Juvenile works
- 406 Classification
- 406.2 Catalogs and collections
- 406.5 Collection and preservation
- 406.55 Museums. Exhibitions
- 406.7 Evolution. Phylogeny. Speciation
- Geographical distribution
 - For geographic distribution of systematic divisions see QL430.1+
- Physiographic divisions
 - Land
 - 407 General works
 - 407.5 Freshwater
 - Marine
 - For mollusks of particular coasts and islands see QL411+
- 408 General works

Invertebrates

Mollusca

Geographical distribution

Physiographic divisions

Marine -- Continued

408.2

Atlantic Ocean

Cf. QL424.5 Atlantic islands

408.5

Pacific Ocean

Cf. QL428.5 Pacific islands

408.7

Indian Ocean

Topographical divisions

North America

411

General works

413

Canada

United States

414

General works

415.A-Z

By region or state, A-Z

416

Atlantic Coast

417

Pacific Coast

(418)

Pacific islands

see QL428.5

419

Gulf Coast

Latin America

420

General works

421

Mexico

422

Central America (Table Q3)

423

West Indies (Table Q3)

424

South America (Table Q3)

424.5

Atlantic islands (Table Q3)

425

Europe (Table Q3)

426

Asia (Table Q3)

427

Africa (Table Q3)

428

Australia

428.2

New Zealand

428.5

Pacific islands (Table Q3)

429

Arctic regions

429.5

Antarctica

429.6

Tropics

Systematic divisions

Aplacophora (Solenogasters)

430.12

General works and orders

430.12.A-Z

By family, A-Z

430.12.P76

Proneomeniidae

Polyplacophora (Chitons)

430.13

General works and orders

430.14.A-Z

By family, A-Z

430.14.A26

Acanthochitonidae

	Invertebrates
	Mollusca
	Systematic divisions
	Polyplacophora (Chitons)
	By family, A-Z -- Continued
430.14.C47	Chitonidae
430.14.I83	Ischnochitonidae
430.14.M64	Mopaliidae
430.15	Monoplacophora
	Cephalopoda
430.2	General works and orders
430.3.A-Z	By family, A-Z
430.3.A73	Architeuthidae
430.3.B3	Bathyteuthidae
430.3.C72	Cranchiidae
430.3.C9	Cycloteuthidae
430.3.E56	Enoploteuthidae
430.3.G66	Gonatidae
430.3.J68	Joubiniteuthidae
430.3.L8	Loliginidae
430.3.N4	Nautilidae
430.3.O2	Octopodidae (Octopuses)
430.3.O5	Ommastrephidae
430.3.O6	Onychoteuthidae
430.3.S47	Sepiidae
430.3.S49	Sepiolidae (Bobtail squids)
430.3.S65	Spirulidae
430.3.V35	Vampyroteuthidae
	Gastropoda (Snails)
430.4	General works and orders
430.5.A-Z	By family, A-Z
	Abalones see QL430.5.H34
430.5.A18	Abyssochrysidae
430.5.A2	Achatinellidae
430.5.A22	Achatinidae
430.5.A23	Aciculidae
430.5.A24	Aclididae
430.5.A26	Acmaeidae
430.5.A28	Acroloxidae
430.5.A29	Actaeonidae
430.5.A45	Aeolidiidae
430.5.A5	Amastridae
	Amnicolidae see QL430.5.H9
430.5.A57	Ampullariidae
430.5.A63	Ancylidae
430.5.A66	Aplysiidae
430.5.A69	Architectonicidae

Invertebrates

Mollusca

Systematic divisions

Gastropoda (Snails)

By family, A-Z -- Continued

430.5.A7	Arionidae
430.5.A74	Arminidae
430.5.A8	Atlantidae
430.5.A85	Atyidae
	Auriculidae see QL430.5.E45
430.5.B58	Bithyniidae
430.5.B73	Bradybaenidae
430.5.B75	Buccinidae
430.5.B8	Bulimulidae
430.5.B84	Bulinidae
430.5.C18	Caecidae
430.5.C22	Calyptraeidae
430.5.C25	Camaenidae
430.5.C26	Cancellariidae
430.5.C3	Cassidae
430.5.C35	Cavolinidae
430.5.C38	Cerionidae
430.5.C4	Cerithiidae
430.5.C43	Cerithiopsidae
430.5.C49	Chilinidae
430.5.C53	Chondropomatidae
430.5.C56	Chromodorididae
430.5.C57	Clausiliidae
430.5.C6	Clionidae
430.5.C73	Columbellidae
430.5.C75	Conidae
	Cowries see QL430.5.C94
430.5.C82	Cyclophoridae
	Cyclostomidae see QL430.5.P63
	Cylindrellidae see QL430.5.U68
(430.5.C93)	Cymatiidae
	see QL430.5.R35
430.5.C94	Cypraeidae (Cowries)
430.5.D43	Diastomatidae
430.5.D55	Dolabriferidae
430.5.D6	Dorididae
430.5.E45	Ellobiidae
430.5.E48	Elysiidae
430.5.E5	Endodontidae
430.5.E55	Entoconchidae
430.5.E6	Epitoniidae
430.5.E9	Eulimidae

QL

Invertebrates

Mollusca

Systematic divisions

Gastropoda (Snails)

By family, A-Z -- Continued

430.5.F2	Fasciariidae
430.5.F53	Ficidae
430.5.F57	Fissurellidae
430.5.F58	Flabellinidae
430.5.G34	Gadiniidae
430.5.H34	Haliotidae (Abalones)
430.5.H37	Helicarionidae
430.5.H4	Helicidae
430.5.H45	Helicindae
430.5.H46	Helminthoglyptidae
	Hermæidae see QL430.5.S75
430.5.H9	Hydrobiidae
430.5.J3	Janellidae
430.5.J36	Janthinidae
430.5.J8	Juliidae
430.5.L2	Lamellariidae
430.5.L33	Lepetidae
430.5.L4	Limacidae
	Limnaeidae see QL430.5.L85
430.5.L58	Littorinidae
430.5.L85	Lymnaeidae
430.5.M3	Marginellidae
	Melaniidae see QL430.5.T45
430.5.M44	Melanopsidae
430.5.M47	Melongenidae
430.5.M57	Mitridae
430.5.M9	Muricidae
430.5.N27	Nacellidae
430.5.N3	Nassariidae
430.5.N35	Naticidae
430.5.N5	Neritidae
430.5.O5	Olividae
430.5.O73	Oreohelicidae
430.5.O78	Orthalicidae
430.5.P15	Partulidae
430.5.P18	Patellidae
430.5.P2	Personidae
430.5.P23	Phasianellidae
430.5.P25	Philomycidae
430.5.P33	Phyllidiidae
430.5.P35	Phylliroidae
430.5.P37	Physidae

Invertebrates

Mollusca

Systematic divisions

Gastropoda (Snails)

By family, A-Z -- Continued

430.5.P46	Planaxidae
430.5.P48	Planorbidae
430.5.P49	Pleurobranchidae
430.5.P5	Pleuroceridae
430.5.P6	Polygyridae
430.5.P63	Pomatiasidae
430.5.P64	Pomatiopsidae
430.5.P68	Potamididae
	Proserpinidae see QL430.5.H45
430.5.P9	Pupillidae
430.5.P92	Pupinidae
430.5.P95	Pyramidellidae
430.5.R35	Ranellidae
430.5.R45	Rhodopidae
430.5.R48	Rhytididae
430.5.R57	Rissoidae
	Scalariidae see QL430.5.E6
430.5.S25	Scissurellidae
430.5.S56	Siphonariidae
430.5.S65	Spiraxidae
430.5.S74	Stiliferidae
430.5.S75	Stiligeridae
430.5.S78	Streptaxidae
430.5.S8	Strombidae
430.5.S83	Strophocheilidae
430.5.S87	Succineidae (Ambersnails)
430.5.T25	Terebridae
430.5.T3	Testacellidae
430.5.T35	Tethyidae
430.5.T45	Thiaridae
430.5.T63	Tonnidae
430.5.T65	Tornidae
430.5.T67	Tricoliidae
430.5.T7	Tritoniidae
430.5.T75	Trochidae
430.5.T78	Truncatellidae
430.5.T85	Turbinellidae
430.5.T9	Turbinidae
430.5.T95	Turridae
430.5.T96	Turritellidae (Turretsnails, wormsnails)
430.5.U68	Urocoptidae
430.5.U7	Urocyclidae

Invertebrates

Mollusca

Systematic divisions

Gastropoda (Snails)

By family, A-Z -- Continued

Vaginulidae see QL430.5.V4

430.5.V34

Valloniidae

430.5.V36

Valvatidae

(430.5.V37)

Vasidae

see QL430.5.T85

430.5.V4

Veronicellidae

430.5.V65

Vitronellidae

430.5.V7

Viviparidae

430.5.V75

Volutidae

430.5.V77

Volutomitridae

430.5.X46

Xenophoridae

430.5.Z6

Zonitidae

Bivalvia (Lamellibranchia; pelecypoda; clams)

430.6

General works and orders

430.7.A-Z

By family, A-Z

430.7.A34

Amblemidae

430.7.A4

Anatinidae

430.7.A74

Arctidae

430.7.A8

Astartidae

430.7.C2

Cardiidae

430.7.C53

Chamidae

430.7.C67

Corbiculidae

430.7.C69

Corbulidae

430.7.C8

Crassatellidae

Cyrenidae see QL430.7.C67

430.7.D55

Dimyidae

430.7.D65

Donacidae

430.7.D8

Dreissenidae

430.7.G23

Gastrochaenidae

430.7.G55

Glossidae

430.7.G78

Gryphaeidae

430.7.H53

Hiatellidae

430.7.H87

Hyriidae

430.7.L35

Lametilidae

430.7.L4

Ledidae

430.7.L5

Limidae

430.7.L8

Lucinidae

430.7.M3

Mactridae

430.7.M37

Margaritiferidae

430.7.M85

Mycetopodidae

430.7.M9

Myidae

430.7.M95

Mytilidae

Invertebrates

Mollusca

Systematic divisions

Bivalvia (Lamellibranchia; pelecypoda; clams)

By family, A-Z -- Continued

- 430.7.N85 Nuculanidae
- 430.7.N9 Nuculidae
- 430.7.O9 Ostreidae (Oysters)
- 430.7.P3 Pectinidae
- 430.7.P48 Philobryidae
- 430.7.P5 Pholadidae
- 430.7.P56 Pinnidae
- (430.7.P59) Pisidiidae
- see QL430.7.S65
- 430.7.P7 Pristiglomidae
- 430.7.P75 Psammobiidae
- 430.7.P77 Pteriidae (Pearl oysters)
- 430.7.S43 Semelidae
- 430.7.S5 Siliculidae
- 430.7.S6 Solenidae (Razor clams)
- 430.7.S65 Sphaeriidae
- 430.7.S68 Spondylidae
- 430.7.T3 Tellinidae
- 430.7.T4 Teredinidae
- 430.7.T47 Thraciidae
- 430.7.T55 Tindariidae
- 430.7.T7 Tridacnidae
- 430.7.U6 Unionidae
- 430.7.V5 Veneridae

- 430.8 Scaphopoda (Tusk shells)
- 431 Anatomy and morphology
- 431.2 Physiology
- 431.3 Reproduction and spawning
- 431.4 Behavior
- 432 Miscellany and curiosa

Arthropoda

- 434.A1 Periodicals, societies, congresses, serial publications
- 434.A3-Z General works, treatises, and textbooks
- 434.13 Pictorial works and atlases
- 434.14 Popular works
- 434.15 Juvenile works
- 434.2 Classification
- 434.3 Catalogs and collections
- 434.35 Evolution. Speciation
- 434.4 Study and teaching. Research
- 434.45 Poisonous arthropods. Dangerous arthropods

QL

Invertebrates

Arthropoda -- Continued

Geographical distribution

For geographical distribution of systematic divisions, see the division below

- 434.5 General works
- 434.52 North America (United States and Canada) (Table Q3)
- 434.53 Mexico, Central America, and West Indies (Table Q3)
- 434.54 South America (Table Q3)
- 434.55 Europe (Table Q3)
- 434.56 Asia (Table Q3)
- 434.57 Africa (Table Q3)
- 434.58 Australasia and Indo-Pacific islands (Table Q3)
- 434.59 Polar regions
- 434.6 Tropics
- 434.7 Anatomy and morphology
- 434.715 Cytology
- 434.72 Physiology
- 434.8 Behavior

Crustacea

- 435.A1 Periodicals, societies, congresses, serial publications
- 435.A3-Z General works, treatises, and textbooks
- 436 Pictorial works and atlases
- 437 Popular works
- 437.2 Juvenile works
- 438 Classification
- 438.2 Catalogs and collections
- 438.5 Evolution. Phylogeny

Geographical distribution

For geographical distribution of systematic divisions
see QL444.A+

- 441 General works
 - 441.1 North America (United States and Canada) (Table Q3)
 - 441.2 Mexico, Central America, and West Indies (Table Q3)
 - 441.3 South America (Table Q3)
 - 441.4 Europe (Table Q3)
 - 441.5 Asia (Table Q3)
 - 441.6 Africa (Table Q3)
 - 441.7 Australia
 - 441.75 New Zealand
 - 441.8 Pacific islands (Table Q3)
 - 441.9 Arctic regions
 - 441.95 Antarctica
 - 441.96 Tropics
 - 444.A-Z Systematic divisions. By subclasses and orders, A-Z
- Class here works on species, genera, and families by order
- Branchiopoda

Invertebrates

Arthropoda

Crustacea

Systematic divisions. By subclasses and orders, A-Z

Branchiopoda -- Continued

- 444.B8 General works
- 444.B815 Anostraca (Fairy shrimps)
- 444.B83 Cladocera (Water fleas)
- 444.B834 Conchostraca (Clam shrimps)
- 444.B86 Notostraca (Tadpole shrimps)

- 444.B9 Branchiura (Fish lice)
- 444.C4 Cephalocarida

Cirripedia

- 444.C5 General works
- 444.C52 Acrothoracica
- 444.C527 Ascothoracica
- 444.C57 Rhizocephala
- 444.C58 Thoracica (Barnacles)

Copepoda

- 444.C7 General works
- 444.C72 Calanoida
- (444.C722) Caligoida
- see QL444.C79

- 444.C73 Cyclopoida
- 444.C74 Harpacticoida
- 444.C75 Lernaepodoida
- 444.C756 Monstrilloida
- 444.C76 Notodelphyoida
- 444.C78 Poecilostomatoida
- 444.C79 Siphonostomatoida

Entomostraca see QL435+

Malacostraca

- 444.M3 General works
- 444.M315 Amphipoda (Sand hoppers; whale lice)
- 444.M317 Anaspidacea
- 444.M32 Bathynellacea
- 444.M328 Cumacea
- 444.M33 Decapoda (Shrimps; lobsters; crabs)
- 444.M338 Euphausiacea
- 444.M34 Isopoda (Pill bugs; wood lice)
- 444.M347 Leptostraca
- 444.M35 Mysidacea (Opossum shrimps)
- 444.M37 Spelaeogriphacea
- 444.M375 Stomatopoda
- 444.M378 Stygocaridacea
- 444.M38 Tanaidacea
- 444.M384 Thermosbaenacea

Invertebrates

Arthropoda

Crustacea

Systematic divisions. By subclasses and orders, A-Z --

Continued

444.M9

Mystacocarida

Ostracoda (Seed shrimps)

444.O8

General works

444.O83

Halocyprida

444.O85

Myodocopida

444.O86

Podocopida

445

Anatomy and morphology

445.2

Physiology

447

Pycnogonida (Pantopoda)

447.3

Pentastomida (Linguatulida; tongue worms)

447.5

Tardigrada (Water bears)

447.7

Merostomata (Xiphosura)

448

Onychophora

Myriapoda

449

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions

see QL449.5+

449.3

General works

449.32

North America (United States and Canada) (Table Q3)

449.35

Mexico, Central America, and West Indies (Table Q3)

449.37

South America (Table Q3)

449.4

Europe (Table Q3)

449.42

Asia (Table Q3)

449.44

Africa (Table Q3)

449.46

Australasia and Indo-Pacific islands (Table Q3)

449.48

Polar regions

449.49

Tropics

Systematic divisions

Class here works on species, genera, and families by family; high taxa by class

Chilopoda (Centipedes)

449.5

General works and orders

449.55.A-Z

By family, A-Z

449.55.C4

Cermatobiidae

449.55.C7

Craterostigmidae

449.55.C78

Cryptopidae

449.55.D5

Dignathodontidae

449.55.E8

Ethopolyidae

449.55.G4

Geophilidae

449.55.G66

Gonibregmatidae

449.55.G68

Gosibiidae

Invertebrates

Arthropoda

Myriapoda

Systematic divisions

Chilopoda (Centipedes)

By family, A-Z -- Continued

449.55.H4	Henicopidae
449.55.H5	Himantariidae
449.55.L5	Lithobiidae
449.55.M4	Mecistocephalidae
449.55.N4	Neogeophilidae
449.55.O7	Oryidae
449.55.S25	Schendylidae
449.55.S3	Scolopendridae
449.55.S37	Scutigeridae
449.55.S63	Sogonidae
449.55.S66	Soniphilidae
449.55.W3	Watobiidae

Diplopoda (Millipedes)

General works and orders

By family, A-Z

449.6	
449.65.A-Z	
449.65.A6	Andrognathidae
449.65.A8	Atopetholidae
449.65.B4	Blaniulidae
449.65.C24	Callipodidae
449.65.C25	Cambalidae
449.65.C28	Caseyidae
449.65.C37	Chelodesmidae
449.65.C4	Chordeumidae
449.65.C5	Cleidogonidae
449.65.C6	Conotylidae
449.65.C72	Craspedosomidae
449.65.C79	Cryptodesmidae
449.65.E87	Eurymerodesmidae
449.65.E878	Euryuridae
449.65.G4	Gervaisiidae
449.65.G5	Glomeridae
449.65.G53	Glomeridesmidae
449.65.H37	Harpagophoridae
449.65.J8	Julidae
449.65.L4	Leioderidae
449.65.L9	Lysiopetalidae
449.65.N4	Nearctodesmidae
449.65.O6	Oniscodesmidae
449.65.O95	Oxydesmidae
449.65.P18	Pachybolidae
449.65.P22	Paeromopidae

Invertebrates

Arthropoda

Myriapoda

Systematic divisions

Diplopoda (Millipedes)

By family, A-Z -- Continued

449.65.P27	Paradoxsomatidae
449.65.P273	Paraiulidae
449.65.P42	Platydesmidae
449.65.P427	Platyrrhacidae
449.65.P64	Polydesmidae
449.65.P648	Polyxenidae
449.65.P649	Polyzoniidae
449.65.R4	Rhinocricidae
449.65.S56	Siphoniulidae
449.65.S565	Siphonophoridae
449.65.S64	Sphaeriodesmidae
449.65.S645	Sphaerotheridae
449.65.S65	Spirobolidae
449.65.S655	Spirostreptidae
	Strongylosomidae see QL449.65.P27
449.65.S88	Stylodesmidae
449.65.S95	Synxenidae
449.65.T56	Tingupidae
449.65.T75	Trichopolydesmidae
449.65.V34	Vanhoeffeniidae
449.65.X9	Xystodesmidae

Pauropoda

449.7	General works
449.75.A-Z	By family, A-Z
449.75.B7	Brachypauropodidae
449.75.E8	Eurypauropodidae
449.75.P3	Pauropodidae

Symphyla

449.8	General works
449.85.A-Z	By family, A-Z
449.85.G4	Geophillellidae
449.85.S25	Scolopendrellidae
449.85.S3	Scutigerellidae

449.9	Anatomy and morphology
449.92	Physiology

Arachnida (Scorpions; spiders; mites; etc.)

451	General works, treatises, and textbooks
452	Popular works
452.2	Juvenile works
452.8	Classification
453	Catalogs and collections

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.) -- Continued

Geographical distribution

For geographical distribution of systematic divisions
see QL458+

- 453.1 North America (United States and Canada) (Table Q3)
- 453.2 Mexico, Central America, and West Indies (Table Q3)
- 453.3 South America (Table Q3)
- 453.35 Atlantic islands (Table Q3)
- 453.4 Europe (Table Q3)
- 453.5 Asia (Table Q3)
- 453.6 Africa (Table Q3)
- Australasia
 - 453.68 General works
 - 453.7 Australia
 - 453.75 New Zealand
 - 453.8 Pacific islands (Table Q3)
 - 453.9 Arctic regions
 - 453.95 Antarctica
 - 453.96 Tropics

Systematic divisions

Acari (Acarina). Mites

- 458 General works
- 458.15.A-Z By order, A-Z
 - 458.15.A33 Acariformes
 - 458.15.O65 Notostigmata see QL458.15.O65
 - 458.15.P37 Opilioacariformes
 - 458.2.A-Z Parasitiformes
- 458.2.A-Z By family, A-Z
 - 458.2.A3 Acaridae
 - 458.2.A44 Alloptidae
 - 458.2.A45 Ameronothridae
 - 458.2.A5 Analgidae
 - 458.2.A58 Anystidae
 - 458.2.A74 Argasidae
 - 458.2.A77 Arrenuridae
 - 458.2.B4 Bdellidae
 - 458.2.B7 Brachychthoniidae
 - 458.2.C28 Caeculidae
 - 458.2.C3 Carpoglyphidae
 - 458.2.C37 Cercomegistidae
 - 458.2.C39 Chaetodactylidae
 - 458.2.C4 Cheyletidae
 - 458.2.C8 Cunaxidae
 - 458.2.C9 Cytoditidae
 - 458.2.D45 Demodicidae

Invertebrates
Arthropoda
Arachnida (Scorpions; spiders; mites; etc.)
Systematic divisions
Acari (Acarina). Mites
By family, A-Z -- Continued

458.2.D47	Dermanyssidae
458.2.D475	Dermoglyphidae
458.2.D56	Diptilomiopidae
458.2.E45	Echimyopodidae
458.2.E6	Epidermoptidae
458.2.E73	Eremaeidae
458.2.E75	Eriophyidae
458.2.E78	Erythraeidae
458.2.E8	Eupodidae
458.2.E84	Eustathiidae
458.2.E9	Eylidae
458.2.F3	Falculiferidae
458.2.G34	Galumnidae
	Gamasidae see QL458.2.P3
458.2.G4	Glycyphagidae
458.2.H3	Halacaridae
458.2.H38	Hermanniidae
458.2.H4	Heterocheylidae
458.2.H9	Hydrachnidae
458.2.H98	Hydryphantidae
458.2.I9	Ixodidae
458.2.K5	Knemidokoptidae
458.2.L3	Labidocarpidae
458.2.L33	Laelapidae
458.2.L44	Leeuwenhoekiidae
458.2.L54	Limnocharidae
458.2.L58	Listrophoridae
458.2.L67	Lordalycidae
458.2.M3	Macronyssidae
458.2.M53	Microtrombidiidae
458.2.M9	Myobiidae
458.2.M93	Myocoptidae
458.2.N67	Nothridae
458.2.O74	Oribatidae
458.2.P3	Parasitidae
458.2.P35	Penthaleidae
458.2.P37	Phytoptidae
458.2.P4	Phytoseiidae
458.2.P44	Pionidae
458.2.P6	Podapolipodidae
458.2.P65	Pontarachnidae

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Acari (Acarina). Mites

By family, A-Z -- Continued

- 458.2.P74 Proctophyllodidae
- 458.2.P8 Psoroptidae
- 458.2.P85 Pterolichidae
- 458.2.P87 Pterygosomatidae
- 458.2.P9 Pyemotidae
- 458.2.P95 Pyroglyphidae
- 458.2.R36 Raphignathidae
- 458.2.R45 Rhagidiidae
- 458.2.R47 Rhodacaridae
- 458.2.R66 Rosensteiniidae
- 458.2.S25 Sarcoptidae
- 458.2.S3 Scutacaridae
- 458.2.S7 Sperchonidae
- 458.2.S75 Spinturnicidae
- 458.2.S8 Stigmaeidae
- 458.2.S89 Syringobiidae
- 458.2.S9 Syringophilidae
- 458.2.T3 Tarsonemidae
- 458.2.T36 Tenuipalpidae
- 458.2.T4 Tetranychidae (Spider mites)
- 458.2.T5 Thyasidae
- 458.2.T7 Trachytidae
- 458.2.T75 Trombiculidae
- 458.2.T76 Trombidiidae
- 458.2.U5 Unionicolidae
- 458.2.U7 Uropodidae
- 458.2.V37 Varroidae
- 458.2.X65 Xolalgidae
- 458.2.Z4 Zerconidae

Amblypygi (Phrynichida)

General works

By family, A-Z

- 458.3
- 458.32.A-Z
- 458.32.C4 Charonidae
- 458.32.P56 Phrynichidae
- 458.32.P57 Phrynidae
- 458.32.T3 Tarantulidae

Araneae (Araneida). Spiders

General works

Geographical distribution

- 458.4
- 458.41 North America (United States, Canada, and Greenland) (Table Q3)

QL

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Araneae (Araneida). Spiders

Geographical distribution -- Continued

458.412	Mexico, Central America, and West Indies (Table Q3)
458.413	South America (Table Q3)
458.4135	Atlantic islands (Table Q3)
458.414	Europe (Table Q3)
458.415	Asia (Table Q3)
458.416	Africa (Table Q3)
458.4165	Indian Ocean islands (Table Q3)
	Australasia
458.417	General works
458.4173	Australia
458.4175	New Zealand
458.418	Pacific islands (Table Q3)
	Polar regions
458.4185	General works
458.419	Arctic regions
458.4195	Antarctica
458.4197	Tropics
458.42.A-Z	By family, A-Z
458.42.A2	Acanthoctenidae
458.42.A28	Actinopodidae
458.42.A3	Agelenidae
458.42.A4	Amaurobiidae
	Amaurobioididae see QL458.42.A57
458.42.A45	Amoxenidae
458.42.A48	Anapidae
458.42.A5	Antrodiaetidae
458.42.A57	Anyphaenidae
458.42.A7	Araneidae (Orb weavers)
458.42.A73	Archaeidae
	Argiopidae see QL458.42.A7
	Attidae see QL458.42.S24
458.42.A8	Atypidae
	Aviculariidae see QL458.42.T5
458.42.B3	Barychelidae
458.42.C3	Caponiidae
458.42.C4	Clubionidae
458.42.C67	Corinnidae
458.42.C8	Ctenidae
458.42.C83	Ctenizidae
458.42.C93	Cyatholipidae

Invertebrates
Arthropoda
Arachnida (Scorpions; spiders; mites; etc.)
Systematic divisions
Araneae (Araneida). Spiders
By family, A-Z -- Continued

458.42.D44	Desidae
458.42.D5	Dictynidae
458.42.D53	Diguetidae
458.42.D55	Dinopidae
458.42.D56	Dipluridae
458.42.D9	Dysderidae
458.42.E7	Eresidae
	Eusparassidae see QL458.42.H48
458.42.F5	Filistatidae
458.42.G5	Gnaphosidae
458.42.G7	Gradungulidae
458.42.H3	Hadrotarsidae
458.42.H33	Hahniidae
458.42.H47	Hersiliidae
458.42.H48	Heteropodidae
458.42.H6	Homalonychidae
458.42.H9	Hypochilidae
458.42.L3	Lamponidae
458.42.L4	Leptonetidae
458.42.L55	Linyphiidae
458.42.L555	Liocranidae
458.42.L56	Liphistiidae
458.42.L6	Loxoscelidae
458.42.L9	Lycosidae (Wolf spiders)
458.42.M4	Mecicobothriidae
458.42.M5	Microstigmatidae
458.42.M53	Migidae
458.42.M54	Mimetidae
458.42.M97	Mysmenidae
458.42.N37	Nemesiidae
458.42.N4	Nesticidae
458.42.O3	Ochyroceratidae
458.42.O4	Oecobiidae
458.42.O6	Oonopidae
458.42.O9	Oxyopidae
458.42.P34	Palpimanidae
458.42.P37	Paratropidae
458.42.P39	Philodromidae
458.42.P4	Pholcidae
458.42.P47	Pimoidae
458.42.P5	Pisauridae

QL

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Araneae (Araneida). Spiders

By family, A-Z -- Continued

458.42.P6	Platoridae
458.42.P64	Plectreuridae
458.42.P7	Prodidomidae
458.42.P8	Psechridae
458.42.P9	Pycnothelidae
458.42.S24	Salticidae (Jumping spiders)
458.42.S3	Scytodidae
458.42.S44	Selenopidae
458.42.S45	Senoculidae
458.42.S5	Sicariidae
	Sparassidae see QL458.42.H48
458.42.S7	Stenochilida
458.42.S73	Stiphidiidae
458.42.S9	Symphytognathidae
458.42.T44	Telmidae
458.42.T45	Tengellidae
458.42.T46	Tetrabelmidae
458.42.T48	Tetragnathidae
458.42.T5	Theraphosidae (Tarantulas)
458.42.T54	Theridiidae (Cobweb weavers)
458.42.T55	Theridiosomatidae
458.42.T56	Thomisidae
458.42.T6	Toxopidae
458.42.U4	Uloboridae
458.42.U7	Urocteidae
458.42.Z63	Zodariidae
458.42.Z67	Zoropsidae
	Opiliones (Opiliona; Phalangiida)
458.5	General works
458.52.A-Z	By family, A-Z
458.52.A8	Assamiidae
458.52.C6	Cosmetidae
458.52.G6	Gonyleptidae
458.52.I7	Ischyropsalidae
458.52.L44	Leiobunidae
458.52.N4	Nemastomatidae
458.52.O5	Oncopodidae
458.52.P45	Phalangiidae
458.52.P46	Phalangodidae
458.52.S5	Sironidae
458.52.S9	Synthetonychidae

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Opiliones (Opiliona; Phalangiida)

By family, A-Z -- Continued

458.52.T75

Triaenonychidae

458.52.T76

Trogulidae

Palpigradi (Palpigradida)

458.55

General works

458.57.A-Z

By family, A-Z

458.57.E9

Eukoeneniidae

Pseudoscorpiones (Book scorpions; Chelonethida;

Pseudoscorpionida)

458.6

General works

458.62.A-Z

By family, A-Z

458.62.C37

Chernetidae

458.62.C4

Chthoniidae

458.62.G3

Garypidae

458.62.H9

Hyidae

458.62.I3

Ideoroncidae

458.62.M4

Menthidae

458.62.N4

Neobisiidae

458.62.O4

Olpiidae

458.62.S9

Syrinidae

458.62.T7

Tridenchthoniidae

Ricinulei (Ricinuleida; Podogonata; Rhinogastra)

458.65

General works

458.67.A-Z

By family, A-Z

458.67.R5

Ricinoididae

Schizomida

458.69

General works

458.692.A-Z

By family, A-Z

458.692.H82

Hubbardiidae

458.692.P75

Protoschizomidae

Schizomidae see QL458.692.H82

Scorpiones (Scorpionida)

458.7

General works

458.72.A-Z

By family, A-Z

458.72.B6

Bothriuridae

458.72.B8

Buthidae

458.72.C27

Caraboctonidae

458.72.C4

Chactidae

458.72.C45

Chaerilidae

458.72.D5

Diplocentridae

458.72.E88

Euscorpiidae

458.72.H45

Hemiscorpiidae

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Scorpiones (Scorpionida)

By family, A-Z -- Continued

458.72.H48

Heteroscorpionidae

(458.72.I75)

Ischnuridae

see QL458.72.H45

458.72.I95

Iuridae

458.72.M52

Microcharmidae

458.72.P75

Pseudochactidae

458.72.S3

Scorpionidae

458.72.S85

Superstitioniidae

458.72.T75

Trogloaoycidae

(458.72.U75)

Urodacidae

see QL458.72.S3

458.72.V4

Vaejovidae

Solpugida (Solifugae; Sun spiders; Wind scorpions)

458.8

General works

458.82.A-Z

By family, A-Z

458.82.A4

Ammotrechidae

458.82.C4

Ceromidae

458.82.D3

Daesiidae

458.82.E7

Eremobatidae

458.82.G3

Galeodidae

458.82.H4

Hexisopodidae

458.82.K3

Karschiidae

458.82.M4

Melanoblossiidae

458.82.R4

Rhagodidae

458.82.S6

Solpugidae

Uropygi (Thelyphonida; Whip scorpions)

458.85

General works

458.87.A-Z

By family, A-Z

(458.87.S3)

Schizomidae

see QL458.692.H82

458.87.T4

Thelyphonidae

459

Anatomy and morphology

459.2

Physiology

Insects

Cf. SB818+ Economic entomology

461

Periodicals, societies, congresses, serial publications

462

Collected works (nonserial)

462.3

Dictionaries and encyclopedias

462.4

Terminology, notation, abbreviations

462.5

History

463

General works, treatises, and textbooks

Invertebrates

Arthropoda

Insects -- Continued

- 464 Field and laboratory manuals
- 465 Collection and preservation
- 466 Pictorial works and atlases
- 467 Popular works
- 467.2 Juvenile works
- 467.8 Rare and endangered species
- 467.9 Extinct insects
- 468 Classification. Nomenclature
- 468.2 Catalogs and collections
- 468.4 Entomology as a profession. Vocational guidance
- 468.5 Study and teaching. Research
- 468.7 Evolution. Phylogeny. Speciation
- 468.8 Poisonous insects. Dangerous insects
- Geographical distribution
 - For geographical distribution of systematic divisions, see QL503+
- 469 General works
- Physiographic divisions
 - Aquatic
 - 472 General works
 - 472.3 Marine
 - 472.7 Urban
 - Topographic divisions
 - North America
 - 473 General works
 - United States
 - General works
 - By region or state, A-Z
 - Canada
 - Latin America
 - 476.5 General works
 - 477 Mexico
 - 478 Central America (Table Q3)
 - 479 West Indies (Table Q3)
 - 481 South America (Table Q3)
 - Atlantic islands
 - General works
 - By individual island or group of islands, A-Z
 - 481.4 Europe (Table Q3)
 - 482 Asia (Table Q3)
 - 483 Africa (Table Q3)
 - 485 Indian Ocean islands
 - General works
 - By individual island or group of islands, A-Z
 - 486
 - 486.3.A-Z

Invertebrates

Arthropoda

Insects

Geographical distribution

Topographic divisions -- Continued

487

Australia

487.5

New Zealand

489

Pacific islands (Table Q3)

491

Arctic regions

491.5

Antarctica

491.6

Tropics

492.5

Immunology

493

Genetics

493.5

Molecular entomology

494

Anatomy and morphology

494.5

Metamorphosis

494.8

Cytology

Physiology

495

General works

495.5

Development

496

Behavior. Social life. Instinct

496.12

Parasitism

Including parasitic insects and parasitoids

496.15

Population dynamics

496.2

Migration

496.4

Ecology

496.5

Sound and sound production

496.7

Flight

497

Miscellany and curiosa

Apterygota

501

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL503+

502

General works

502.1

North America (United States and Canada) (Table
Q3)

502.2

Mexico, Central America, and West Indies (Table Q3)

502.3

South America (Table Q3)

502.4

Europe (Table Q3)

502.5

Asia (Table Q3)

502.6

Africa (Table Q3)

502.7

Australia

502.75

New Zealand

502.8

Pacific islands (Table Q3)

502.9

Arctic regions

502.95

Antarctica

	Invertebrates
	Arthropoda
	Insects
	Apterygota
	Geographical distribution -- Continued
502.96	Tropics
	Systematic divisions
	Collembola
503.A1	General works
503.A3-Z	By family, A-Z
503.A3	Actaletidae
503.D5	Dicyrtomidae
503.E5	Entomobryidae
503.H9	Hypogastruridae
503.I8	Isotomidae
503.N4	Neelidae
503.O5	Oncopoduridae
503.O56	Onychiuridae
503.P6	Poduridae
503.S6	Sminthuridae
503.T6	Tomoceridae
	Entotrophi (Diplura)
503.4.A1	General works
503.4.A3-Z	By family, A-Z
503.4.C3	Campodeidae
503.4.J3	Japygidae
503.4.P7	Projapygidae
	Protura
503.6.A1	General works
503.6.A3-Z	By family, A-Z
503.6.A3	Acerentomidae
503.6.E6	Eosentomidae
503.6.P7	Protentomidae
	Archaeognatha
503.7.A1	General works
503.7.A3-Z	By family, A-Z
503.7.M32	Machilidae
503.7.M44	Meinertellidae
	Thysanura
503.8.A1	General works
503.8.A3-Z	By family, A-Z
503.8.L4	Lepismatidae
(503.8.M3)	Machilidae
	see QL503.7.M32
(503.8.M4)	Meinertellidae
	see QL503.7.M44
503.8.N5	Nicoletiidae

QL

Invertebrates

Arthropoda

Insects

Apterygota -- Continued

504 Anatomy and morphology

504.2 Physiology

Ephemeroptera (Plecoptera; mayflies)

505 General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL505.3.A+

505.1 General works

505.2 North America (United States and Canada) (Table
Q3)

505.22 Mexico, Central America, and West Indies (Table Q3)

505.23 South America (Table Q3)

505.24 Europe (Table Q3)

505.25 Asia (Table Q3)

505.26 Africa (Table Q3)

505.27 Australasia and Indo-Pacific islands (Table Q3)

505.28 Polar regions

505.29 Tropics

505.3.A-Z Systematic divisions. By family, A-Z

Ametropodidae see QL505.3.S5

505.3.B33 Baetidae

505.3.B38 Baetiscidae

505.3.C3 Caenidae

505.3.E64 Ephemerellidae

505.3.E65 Ephemeridae

505.3.H4 Heptageniidae

505.3.L4 Leptophlebiidae

505.3.O4 Oligoneuridae

505.3.P3 Palingeniidae

505.3.P64 Polymitarcidae

505.3.P68 Potamanthidae

505.3.P76 Prosopistomatidae

505.3.S5 Siphonuridae

505.4 Anatomy and morphology

505.42 Physiology

Blattaria (Cockroaches)

505.5 General works

Geographical distribution

For geographical distribution of systematic divisions
see QL505.7.A+

505.51 General works

505.6 North America (United States and Canada) (Table
Q3)

Invertebrates

Arthropoda

Insects

Blattaria (Cockroaches)

Geographical distribution -- Continued

505.62 Mexico, Central America, and West Indies (Table Q3)

505.63 South America (Table Q3)

505.64 Europe (Table Q3)

505.65 Asia (Table Q3)

505.66 Africa (Table Q3)

505.67 Australasia and Indo-Pacific islands (Table Q3)

505.68 Polar regions

505.69 Tropics

505.7.A-Z Systematic divisions. By family, A-Z

505.7.A73 Archiblattidae

505.7.A74 Areolariidae

505.7.A87 Attaphilidae

505.7.A88 Atticolidae

505.7.B4 Blaberidae

505.7.B48 Blattellidae

505.7.B485 Blattidae

505.7.C4 Chorisoneuridae

505.7.C6 Corydiidae

505.7.C7 Cryptocercidae

505.7.D5 Diplopteridae

505.7.E3 Ectobiidae

505.7.E7 Epilampridae

505.7.E9 Euthyrrhaphidae

505.7.H6 Homoeogamiidae

505.7.L3 Latindiidae

505.7.N62 Nocticolidae

505.7.N68 Nothoblattidae

505.7.N9 Nyctiboridae

505.7.O8 Ouloterygidae

505.7.O9 Oxyhaloidae

505.7.P33 Panchloridae

505.7.P34 Panesthiidae

505.7.P4 Perisphaeriidae

505.7.P45 Phyllodromiidae

505.7.P6 Polyphagidae

505.8 Anatomy and morphology

505.82 Physiology

505.83 Mantodea (Mantids)

505.83 General works, treatises, and textbooks

505.83 Geographical distribution

505.83 For geographical distribution of systematic divisions
see QL505.9.A+

QL

Invertebrates

Arthropoda

Insects

Mantodea (Mantids)

Geographical distribution -- Continued

505.84

General works

505.85

North America (United States and Canada) (Table Q3)

505.855

Mexico, Central America, and West Indies (Table Q3)

505.86

South America (Table Q3)

505.865

Europe (Table Q3)

505.87

Asia (Table Q3)

505.875

Africa (Table Q3)

505.88

Australasia and Indo-Pacific Islands (Table Q3)

505.885

Polar regions

505.89

Tropics

505.9.A-Z

Systematic divisions. By family, A-Z

505.9.H94

Hymenopodidae

505.9.M35

Mantidae

505.95

Anatomy

505.96

Physiology

Orthoptera (Grasshoppers; locusts; etc.)

506

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL508.A+

507

General works

507.1

North America (United States and Canada) (Table Q3)

507.2

Mexico, Central America, and West Indies (Table Q3)

507.3

South America (Table Q3)

507.4

Europe (Table Q3)

507.5

Asia (Table Q3)

507.6

Africa (Table Q3)

507.7

Australia

507.75

New Zealand

507.8

Pacific islands (Table Q3)

507.9

Arctic regions

507.95

Antarctica

507.96

Tropics

508.A-Z

Systematic divisions. By family, A-Z

508.A2

Acrididae (Grasshoppers)

508.A56

Anostomatidae

Bacillidae see QL509.7.P58

Bacteriidae see QL509.7.P53

Bacunculidae see QL509.7.P58

Blattidae see QL505.5+

Invertebrates

Arthropoda

Insects

Orthoptera (Grasshoppers; locusts; etc.)

Systematic divisions. By family, A-Z -- Continued

- 508.C9 Cylindrachetidae
- 508.E5 Eneopteridae
- 508.G7 Gryllacrididae
- 508.G8 Gryllidae (Crickets)
- (508.G86) Grylloblattidae
 - see QL509.3
- 508.G87 Gryllotalpidae (Mole crickets)
- 508.L45 Lentulidae
- Locustidae see QL508.A2
- (508.M4) Mantidae
 - see QL505.9.M35
- 508.M6 Mogoplistidae
- 508.M9 Myrmecophilidae
- 508.O4 Oecanthidae
- 508.P34 Pamphagidae
- Phasmatidae see QL509.7.P53
- 508.P53 Phasmodidae
- Phylliidae see QL509.7.P58
- 508.P6 Pneumoridae
- 508.P7 Proscopiidae
- 508.P97 Pyrgomorphidae
- 508.R45 Rhaphidophoridae
- 508.R65 Romaleidae (Lubber grasshoppers)
- 508.S7 Stenopelmatidae (Jerusalem crickets)
- 508.T38 Tetrigidae (Pigmy grasshoppers)
- 508.T4 Tettigoniidae (Katyids; Longhorn grasshoppers)
- 508.T45 Thericleidae
- Timematidae see QL509.7.P58
- 508.T73 Tridactylidae (Pigmy mole crickets)
- 508.T74 Trigonidiidae
- 509 Anatomy and morphology
- 509.2 Physiology
- 509.3 Grylloblattodea
 - Includes one family, Grylloblattidae
- Phasmatoptera (Phasmida; Stick insects)
- 509.5 General works
- Geographical distribution
 - For geographical distribution of systematic divisions
 - see QL509.7.A+
- 509.55 General works
- 509.6 North America (United States and Canada) (Table Q3)

Invertebrates

Arthropoda

Insects

Phasmatoptera (Phasmida; Stick insects)

Geographical distribution -- Continued

- 509.62 Mexico, Central America, and West Indies (Table Q3)
- 509.63 South America (Table Q3)
- 509.64 Europe (Table Q3)
- 509.65 Asia (Table Q3)
- 509.66 Africa (Table Q3)
- 509.67 Australasia and Indo-Pacific islands (Table Q3)
- 509.68 Polar regions
- 509.69 Tropics
- 509.7.A-Z Systematic divisions, A-Z
- 509.7.P53 Phasmatidae
- 509.7.P58 Phylliidae

Dermaptera (Earwigs)

- 510 General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL510.3.A+

- 510.15 General works
- 510.2 North America (United States and Canada) (Table Q3)
- 510.22 Mexico, Central America, and West Indies (Table Q3)
- 510.23 South America (Table Q3)
- 510.24 Europe (Table Q3)
- 510.25 Asia (Table Q3)
- 510.26 Africa (Table Q3)
- 510.27 Australasia and Indo-Pacific islands (Table Q3)
- 510.28 Polar regions
- 510.29 Tropics
- 510.3.A-Z Systematic divisions. By family, A-Z
- 510.3.A4 Allostethidae
- 510.3.A5 Anataeliidae
- 510.3.A52 Ancistrogastriidae
- 510.3.A54 Anechuridae
- 510.3.A6 Apachyidae
- 510.3.A7 Arixeniidae
- 510.3.B7 Brachylabidae
- 510.3.C37 Carcinophoridae
- 510.3.C43 Cheliduridae
- 510.3.C48 Chelisochidae
- 510.3.D5 Diaperasticidae
- 510.3.D56 Diplatyidae
- 510.3.E3 Echinomatidae
- 510.3.E8 Esphalmenidae

Invertebrates

Arthropoda

Insects

Dermaptera (Earwigs)

Systematic divisions. By family, A-Z -- Continued

510.3.E9	Eudornidae
510.3.F6	Forficulidae
510.3.H4	Hemimeridae
510.3.K3	Karschiellidae
510.3.L33	Labiduridae
510.3.L35	Labiidae
510.3.N46	Neolobophoridae
510.3.N48	Nesogastridae
510.3.O6	Opisthocosmiidae
510.3.P3	Parisolabidae
510.3.P4	Pericomidae
510.3.P5	Platylabiidae
510.3.P8	Psalididae
510.3.P94	Pygidicranidae
510.3.P97	Pyragridae
510.3.S6	Sparattidae
510.3.S66	Spongiphoridae
510.3.S8	Strongylopsalididae
510.3.V3	Vandicidae

510.4 Anatomy and morphology

510.42 Physiology

Neuroptera

511 General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL513.A+

512 General works

512.1 North America (United States and Canada) (Table Q3)

512.2 Mexico, Central America, and West Indies (Table Q3)

512.3 South America (Table Q3)

512.4 Europe (Table Q3)

512.5 Asia (Table Q3)

512.6 Africa (Table Q3)

512.7 Australia

512.75 New Zealand

512.8 Pacific islands (Table Q3)

512.9 Arctic regions

512.95 Antarctica

512.96 Tropics

513.A-Z Systematic divisions. By family, A-Z

513.A6 Apochrysididae

Invertebrates

Arthropoda

Insects

Neuroptera

Systematic divisions. By family, A-Z -- Continued

- 513.A7 Ascalaphidae (Owlflyies)
- 513.B4 Berothidae (Beaded lacewings)
- 513.C5 Chrysopidae (Lacewings)
- 513.C65 Coniopterygidae (Dusty-wings)
- (513.C7) Corydalidae (Dobsonflies)
see QL514.7.C67
- 513.D5 Dilaridae (Pleasing lacewings)
- Embiidae see QL539+
- Ephemeroptera see QL505+
- 513.H5 Hemerobiidae (Brown lacewings)
- 513.I5 Inoceliidae
- Isoptera see QL529+
- 513.I8 Ithonidae
- 513.M3 Mantispidae (Mantidflies)
- 513.M86 Myiodactylidae
- 513.M9 Myrmeleontidae (Antlions)
- 513.N4 Nemopteridae
- 513.N9 Nymphidae
- Odonata see QL520+
- 513.O8 Osmylidae
- Planipennia see QL511+
- Plecoptera see QL530+
- 513.P6 Polystoechotidae (Giant lacewings)
- Psocidae see QL515+
- 513.P8 Psychopsidae
- (513.R3) Raphidiidae (Snakeflies)
see QL514.9.R35
- (513.S6) Sialidae (Alderflies)
see QL514.7.S52
- 513.S65 Sisyridae (Spongillaflies)
- 513.S8 Stilbopterygidae
- 513.S9 Sympherobiidae
- Termitidae see QL529+
- 513.T7 Trichomatidae
- 514 Anatomy and morphology
- 514.2 Physiology
- Megaloptera
- 514.4 General works, treatises, and textbooks
- Geographical distribution
 - For geographical distribution of systematic divisions
see QL514.7.A+
- 514.5 General works

	Invertebrates
	Arthropoda
	Insects
	Megaloptera
	Geographical distribution -- Continued
514.6	North America (United States and Canada) (Table Q3)
514.62	Mexico, Central America, and West Indies (Table Q3)
514.63	South America (Table Q3)
514.64	Europe (Table Q3)
514.65	Asia (Table Q3)
514.66	Africa (Table Q3)
514.67	Australasia and Indo-Pacific islands (Table Q3)
514.68	Polar regions
514.69	Tropics
514.7.A-Z	Systematic divisions. By family, A-Z
514.7.C67	Corydalidae (Dobsonflies)
514.7.S52	Sialidae (Alderflies)
514.8	Anatomy and morphology
514.82	Physiology
	Raphidioptera
514.86	General works, treatises, and textbooks
	Geographical distribution
	For geographical distribution of systematic divisions see QL514.9.A+
514.88	General works
514.8815	North America (United States and Canada) (Table Q3)
514.882	Mexico, Central America, and West Indies (Table Q3)
514.883	South America (Table Q3)
514.884	Europe (Table Q3)
514.885	Asia (Table Q3)
514.886	Africa (Table Q3)
514.887	Australasia and Indo-Pacific islands (Table Q3)
514.888	Polar regions
514.889	Tropics
514.9.A-Z	Systematic divisions. By family, A-Z
514.9.R35	Raphidiidae (Snakeflies)
514.95	Anatomy and morphology
514.96	Physiology
	Psocoptera (Corrodentia)
515	General works
515.2.A-Z	Systematic divisions, A-Z
515.2.P4	Peripsocidae
515.2.P73	Pseudocaecillidae
515.5	Zoraptera
	Trichoptera (Caddisflies)

Invertebrates

Arthropoda

Insects

Trichoptera (Caddisflies) -- Continued

- 516 General works, treatises, and textbooks
- Geographical distribution
 - For geographical distribution of systematic divisions
see QL518.A+
- 517 General works
- 517.1 North America (United States and Canada) (Table Q3)
- 517.2 Mexico, Central America, and West Indies (Table Q3)
- 517.3 South America (Table Q3)
- 517.4 Europe (Table Q3)
- 517.5 Asia (Table Q3)
- 517.6 Africa (Table Q3)
- 517.7 Australia
- 517.75 New Zealand
- 517.8 Pacific islands (Table Q3)
- 517.9 Arctic regions
- 517.95 Antarctica
- 517.96 Tropics
- 518.A-Z Systematic divisions. By family, A-Z
- 518.A55 Anomalopsychidae
- 518.B4 Beraeidae
- 518.B7 Brachycentridae
- 518.C3 Calamoceratidae
- 518.G6 Goeridae
- 518.H4 Helicopsychidae
- 518.H94 Hydropsychidae
- 518.H95 Hydroptilidae
- 518.L48 Leptoceridae
- 518.L5 Limnephilidae
- 518.M6 Molannidae
- 518.O4 Odontoceridae
- 518.P45 Philopotamidae
- 518.P47 Phryganeidae
- 518.P6 Polycentropodidae
- 518.P8 Psychomyiidae
- 518.R4 Rhyacophilidae
- 518.S4 Sericostomatidae
- 518.X5 Xiphocentronidae
- 519 Anatomy and morphology
- 519.2 Physiology
- 520 Odonata (Dragonflies, etc.)
 - General works, treatises, and textbooks

	Invertebrates
	Arthropoda
	Insects
	Odonata (Dragonflies, etc.) -- Continued
	Geographical distribution
	For geographical distribution of systematic divisions
	see QL520.3.A+
520.15	General works
520.2	North America (United States and Canada) (Table Q3)
520.22	Mexico, Central America, and West Indies (Table Q3)
520.23	South America (Table Q3)
520.24	Europe (Table Q3)
520.25	Asia (Table Q3)
520.26	Africa (Table Q3)
520.27	Australasia and Indo-Pacific islands (Table Q3)
520.28	Polar regions
520.29	Tropics
520.3.A-Z	Systematic divisions. By family, A-Z
520.3.A4	Aeshnidae (Darners)
520.3.A5	Agrionidae
520.3.A6	Amphipterygidae
520.3.C3	Calopterygidae
520.3.C4	Chlorocyphidae
520.3.C64	Coenagrionidae (Narrow-winged damselflies)
520.3.C67	Cordulegastridae (Biddies)
520.3.C68	Corduliidae (Green-eyed skimmers)
520.3.E6	Epallagidae
520.3.E65	Epiophlebiidae
520.3.G6	Gomphidae (Clubtails)
520.3.H44	Heliocharitidae
520.3.H45	Hemiphlebiidae
520.3.L45	Lestidae (Spread-winged damselflies)
520.3.L46	Lestoideidae
520.3.L6	Libellulidae (Skimmers)
520.3.M4	Megapodagrionidae
520.3.P4	Petaluridae (Graybacks)
520.3.P53	Platycnemididae
520.3.P58	Platystictidae
520.3.P6	Polythoridae
520.3.P7	Protoneuridae
520.3.P8	Pseudostigmatidae
520.3.S9	Synlestidae
520.4	Anatomy and morphology
520.42	Physiology
	Hemiptera (Heteroptera; bugs)
521	General works, treatises, and textbooks

QL

Invertebrates

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Insects

Hemiptera (Heteroptera; bugs) -- Continued

Geographical distribution

For geographical distribution of systematic divisions
see QL523.A+

- 522 General works
522.1 North America (United States and Canada) (Table Q3)
522.2 Mexico, Central America, and West Indies (Table Q3)
522.3 South America (Table Q3)
522.4 Europe (Table Q3)
522.5 Asia (Table Q3)
522.6 Africa (Table Q3)
522.7 Australia
522.75 New Zealand
522.8 Pacific islands (Table Q3)
522.9 Arctic regions
522.95 Antarctica
522.96 Tropics
523.A-Z Systematic divisions. By family, A-Z
523.A14 Acanthosomatidae
523.A35 Aepophilidae
523.A4 Alydidae
523.A5 Anthocoridae (Flowerbugs)
523.A7 Aradidae (Flatbugs)
523.B4 Belostomatidae (Giant waterbugs)
523.B45 Berytidae
523.C6 Capsidae see QL523.M5
523.C64 Cimicidae (Bedbugs, etc.)
523.C67 Colobothristidae
523.C7 Coreidae
523.C75 Corimelaenidae
523.C9 Corixidae (Water boatmen)
523.D5 Cydnidae (Burrower bugs)
523.D5 Dipsocoridae
523.D74 Drepanosiphidae
523.D9 Dysodiidae
523.E65 Enicocephalidae
523.G4 Gerridae (Water striders)
523.H4 Hebridae
523.H44 Helotrephidae
Henicocephalidae see QL523.E65
Heteroptera see QL521+
Homoptera see QL525+
523.H93 Hydrometridae

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	Arthropoda
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	Hemiptera (Heteroptera; bugs)
	Systematic divisions. By family, A-Z -- Continued
523.H96	Hyocephalidae
523.I83	Isodermidae
523.I85	Isometopidae
523.J6	Joppeicidae
523.L45	Leotichidae
523.L46	Leptopodidae
523.L9	Lygaeidae
523.M3	Macroveliidae
523.M4	Mesoveliidae
523.M47	Microphysidae
523.M5	Miridae (Plantbugs)
523.N3	Nabidae (Damsel bugs)
523.N4	Naucoridae (Creeping waterbugs)
523.N46	Neididae
523.N5	Nipidae (Water scorpions)
523.N53	Nerthridae
523.N6	Notonectidae (Back swimmers)
523.O3	Ochteridae
523.P5	Pentatomidae (Stinkbugs)
523.P53	Phymatidae (Ambushbugs)
523.P55	Piesmidae
523.P57	Plataspidae
523.P576	Ploiariidae
523.P62	Podopidae
523.P64	Polychtenidae
523.P9	Pyrrhocoridae
523.R4	Reduviidae (Assassin bugs)
523.R5	Rhopalidae
523.S25	Saldidae (Shorebugs)
523.S3	Schizopteridae
523.S4	Scutelleridae
523.T3	Tahitocoridae
523.T4	Termatophylidae
523.T43	Termitaphididae
523.T48	Thaumastotheriidae
523.T5	Tingidae (Lacebugs)
523.V45	Veliidae
523.V46	Velocipedidae
524	Anatomy and morphology
524.2	Physiology
	Homoptera (Aphids; cicadas, etc.)
525	General works, treatises, and textbooks

QL

Invertebrates

Arthropoda

Insects

Homoptera (Aphids; cicadas, etc.) -- Continued

Geographical distribution

For geographical distribution of systematic divisions

see QL527.A+

526

General works

526.1

North America (United States and Canada) (Table Q3)

526.2

Mexico, Central America, and West Indies (Table Q3)

526.3

South America (Table Q3)

526.4

Europe (Table Q3)

526.5

Asia (Table Q3)

526.6

Africa (Table Q3)

526.7

Australia

526.75

New Zealand

526.8

Pacific islands (Table Q3)

526.9

Arctic regions

526.95

Antarctica

526.96

Tropics

527.A-Z

Systematic divisions. By family, A-Z

527.A2

Acanaloniidae

527.A25

Achilidae

527.A259

Achilixiidae

527.A3

Adelgidae

527.A4

Aethialoniidae

527.A44

Agallidae

527.A5

Aleurodidae see QL527.A5

527.A64

Aleyrodidae (Whiteflies)

527.A65

Aphididae (Aphids or plant lice)

527.A8

Apiomorphidae

527.B9

Areopodidae see QL527.D44

527.C35

Asterolecaniidae (Pit scales)

527.C4

Bythoscopidae

527.C43

Callaphididae

527.C49

Cercopidae (Spittlebugs)

527.C5

Cerococcidae

527.C55

Chermidae see QL527.P88

527.C58

Cicadellidae (Leafhoppers)

527.C6

Cicadidae (Cicadas)

527.C65

Cixiidae

527.C9

Clastopteridae

527.D3

Coccidae (Soft scales)

Conchaspidae

Cylindrococcidae

Dactylopiidae (Cochineal insects)

Invertebrates

Arthropoda

Insects

Homoptera (Aphids; cicadas, etc.)

Systematic divisions. By family, A-Z -- Continued

527.D44	Delphacidae
527.D47	Derbidae
527.D5	Diaspididae (Armored scales)
527.D53	Dictyopharidae
527.E73	Eriococcidae
527.E78	Eriosomatidae
527.E9	Euacanthidae
527.E97	Eurybrachidae
527.F4	Flatidae
527.F9	Fulgoridae
	Gyponidae see QL527.C49
527.I8	Issidae
	Jassidae see QL527.C49
527.K4	Kermesidae
527.K44	Kerridae (Lac scales)
527.K5	Kinnaridae
527.K6	Koebeliidae
	Lacciferidae see QL527.K44
527.L4	Lecaniidae
527.L44	Ledridae
527.L6	Lophopidae
527.M3	Machaerotidae
527.M32	Macropsidae
527.M37	Margarodidae
527.M4	Meenoplidae
527.M45	Membracidae (Treehoppers)
	Monophlebidae see QL527.M37
527.N5	Nirvanidae
527.N6	Nogodinidae
527.O7	Ortheziidae (Ensign scales)
527.P3	Paropiidae
527.P44	Peloriidae
527.P45	Penthimiidae
527.P53	Phenacoleachiidae
527.P56	Phylloxeridae
527.P6	Pleidae
527.P83	Pseudococcidae (Mealybugs)
527.P88	Psyllidae (Jumping plant lice)
527.P93	Putoidae
527.P96	Pythamidae
527.R5	Ricaniidae
527.S5	Signoretidae

Invertebrates

Arthropoda

Insects

Homoptera (Aphids; cicadas, etc.)

Systematic divisions. By family, A-Z -- Continued

527.S8

Stenocotidae

Tachardiidae see QL527.K44

Tettigellidae see QL527.C49

527.T43

Tettigometridae

527.T5

Thaumastoscopidae

527.T6

Tomaspididae

527.T7

Tropiduchidae

527.U4

Ulopidae

528

Anatomy and morphology

528.2

Physiology

Isoptera (Termites)

529

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL529.3.A+

529.15

General works

529.2

North America (United States and Canada) (Table
Q3)

529.22

Mexico, Central America, and West Indies (Table Q3)

529.23

South America (Table Q3)

529.24

Europe (Table Q3)

529.25

Asia (Table Q3)

529.26

Africa (Table Q3)

529.27

Australasia and Indo-Pacific islands (Table Q3)

529.28

Polar regions

529.29

Tropics

529.3.A-Z

Systematic divisions. By family, A-Z

529.3.H6

Hodotermitidae

529.3.K35

Kalotermitidae

529.3.M3

Mastotermitidae

529.3.R4

Rhinotermitidae

529.3.S47

Serritermitidae

529.3.T4

Termitidae

529.3.T5

Termopsidae

529.4

Anatomy and morphology

529.42

Physiology

Plecoptera (Stoneflies)

530

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL530.3.A+

530.15

General works

	Invertebrates
	Arthropoda
	Insects
	Plecoptera (Stoneflies)
	Geographical distribution -- Continued
530.2	North America (United States and Canada) (Table Q3)
530.22	Mexico, Central America, and West Indies (Table Q3)
530.23	South America (Table Q3)
530.24	Europe (Table Q3)
530.25	Asia (Table Q3)
530.26	Africa (Table Q3)
530.27	Australasia and Indo-Pacific islands (Table Q3)
530.28	Polar regions
530.29	Tropics
530.3.A-Z	Systematic divisions. By family, A-Z
530.3.A9	Austroperlidae
530.3.C3	Capniidae
530.3.C45	Chloroperlidae
530.3.E9	Eustheniidae
530.3.L47	Leptoperlidae
530.3.L49	Leuctridae (Rolled-wing stoneflies)
530.3.N4	Nemouridae
530.3.P44	Peltoperlidae
530.3.P47	Perlidae
530.3.P48	Perlodidae
530.3.P8	Pteronarcidae
530.3.T3	Taeniopterygidae
530.4	Anatomy and morphology
530.42	Physiology
	Diptera (Flies)
531	General works, treatises, and textbooks
532	Pictorial works and atlases
533	Popular works
533.2	Juvenile works
534	Classification
534.2	Catalogs and collections
	Geographical distribution
	For geographical distribution of systematic divisions see QL536+
535	General works
535.1	North America (United States and Canada) (Table Q3)
535.2	Mexico, Central America, and West Indies (Table Q3)
535.3	South America (Table Q3)
535.4	Europe (Table Q3)
535.5	Asia (Table Q3)

QL

Invertebrates

Arthropoda

Insects

Diptera (Flies)

Geographical distribution -- Continued

535.6	Africa (Table Q3)
535.7	Australia
535.75	New Zealand
535.8	Pacific islands (Table Q3)
535.9	Arctic regions
535.95	Antarctica
535.96	Tropics

Systematic divisions. By family

536	Culicidae (Mosquitoes)
537.A-Z	Other families, A-Z
537.A3	Acroceridae
537.A4	Agromyzidae (Leafminerflies)
537.A45	Allactoneuridae
537.A5	Anthomyiidae
537.A53	Anthomyzidae
537.A6	Apioceridae
537.A85	Asilidae (Robberflies)
537.A88	Astiidae
537.A9	Aulacogastridae
537.B5	Bibionidae (Marchflies)
537.B56	Blepharoceridae
537.B64	Bolitophilidae
537.B65	Bombyliidae (Beeflies)
537.B7	Braulidae
537.C24	Calliphoridae (Blowflies)
537.C25	Canaceidae
537.C26	Canthyloscelidae
537.C27	Carnidae
537.C33	Cecidomyiidae (Gall midges)
537.C35	Celyphidae
537.C37	Ceratopogonidae (Biting midges)
537.C376	Ceroplastidae
537.C4	Chamaemyiidae
537.C43	Chaoboridae (Phantom midges)
537.C455	Chiromyzidae
537.C456	Chironomidae (Tendipedidae; midges)
537.C46	Chloropidae
537.C49	Chyromyiidae
537.C5	Clusiidae
537.C56	Cnemospathidae
537.C634	Coelopidae
537.C636	Coenomyiidae

Invertebrates

Arthropoda

Insects

Diptera (Flies)

Systematic divisions. By family

Other families, A-Z -- Continued

- 537.C65 Conopidae
537.C673 Cordyluridae
Corethridae see QL537.C43
537.C69 Corynoscelidae
537.C7 Cryptochaetidae
Culicidae see QL536
537.C8 Cuterebridae (Rabbit bots; rodent bots)
537.C9 Cylindrotomidae
537.D47 Deuterophlebiidae
537.D48 Dexiidae
537.D52 Diadocidiidae
537.D53 Diastatidae
537.D56 Diopsidae
537.D58 Ditomyiidae
537.D59 Dixidae
537.D6 Dolichopodidae (Long-legged flies)
537.D76 Drosophilidae (Vinegarflies)
537.D79 Dryomyzidae
537.E4 Empididae (Danceflies)
537.E7 Ephydriidae
Euribiidae see QL537.T42
537.G3 Gasterophilidae (Horse bots)
537.G4 Glossinidae
Heleidae see QL537.C37
537.H44 Helomyzidae
537.H48 Hesperinidae
537.H54 Hilarimorphidae
537.H57 Hippoboscidae (Louseflies)
Hyperoscelididae see QL537.C26
Hypodermatidae see QL537.O4
537.I76 Ironomyiidae
537.K47 Keroplatidae
537.L3 Lauxaniidae
537.L5 Limoniidae
537.L6 Lonchaeidae
537.L63 Lonchopteridae (Musidoridae)
537.L9 Lygistorrhinidae
537.M3 Macroceridae (Euphrosynidae)
537.M35 Manotidae
537.M4 Megamerinidae
Metopiidae see QL537.S25

Invertebrates

Arthropoda

Insects

Diptera (Flies)

Systematic divisions. By family

Other families, A-Z -- Continued

537.M43	Micropezidae
537.M5	Milichiidae
537.M6	Mormotomiidae
537.M8	Muscidae (Houseflies, etc.)
537.M9	Mycetobiidae
537.M92	Mycetophilidae (Fungivoridae)
537.M93	Mydidae
537.M98	Mythomyiidae
537.N44	Nemestrinidae
537.N46	Neottiophilidae
537.N47	Neriidae
537.N6	Nothybidae
537.N9	Nycteribiidae
537.N94	Nymphomyiidae
537.O3	Odiniidae
537.O4	Oestridae (Botflies; warbleflies)
537.O7	Opomyzidae
537.O8	Otitidae
537.P3	Pachyneuridae
537.P34	Pallopteridae
537.P35	Pantophthalmidae
537.P4	Periscelidae
537.P42	Petauristidae
537.P44	Phasiidae
537.P46	Phoridae (Humpbacked flies)
537.P49	Phytalmiidae
537.P56	Piophilidae (Skipperflies)
537.P57	Pipunculidae (Dorylidae; bigheadedflies)
537.P63	Platypezidae (Clythiidae)
537.P65	Platystomatidae
537.P83	Psilidae (Rust flies)
537.P85	Psychodidae (Mothflies)
537.P87	Pterocallidae
537.P89	Ptychopteridae (Liriopeidae)
537.P97	Pyrgotidae
537.R4	Rhagionidae (Snipeflies)
537.R457	Rhinophoridae
537.R458	Rhinoteridae
537.R46	Rhopalomeridae
537.R5	Richardiidae
537.S25	Sarcophagidae (Metopiidae; fleshflies)

Invertebrates

Arthropoda

Insects

Diptera (Flies)

Systematic divisions. By family

Other families, A-Z -- Continued

- 537.S32 Scatopsidae
- 537.S34 Scenopinidae (Omphralidae)
- 537.S35 Sciadoceridae
- 537.S357 Sciaridae (Lycoriidae; fungus gnats)
- 537.S365 Sciomyzidae
- 537.S367 Sciophilidae
- 537.S4 Sepsidae
- 537.S54 Silvicolidae
- 537.S55 Simuliidae (Melusinidae; blackflies)
- 537.S6 Solvidae
- 537.S7 Sphaeroceridae
- 537.S84 Stratiomyidae (Soldier flies)
- 537.S86 Streblidae
- 537.S88 Synneuridae
- 537.S9 Syrphidae (Flowerflies; hoverflies)
- 537.T25 Tabanidae (Deerflies)
- 537.T28 Tachinidae (Larvaevoridae)
- 537.T3 Tachiniscidae
- 537.T35 Tanyderidae
- 537.T357 Tanypezidae
- 537.T42 Tephritidae
- 537.T447 Termitoxeniidae
- 537.T448 Tethinidae
- 537.T45 Thaumaleidae
- 537.T458 Thaumatoxenidae
- 537.T47 Therevidae
- 537.T49 Thyreophoridae
- 537.T6 Tipulidae (Craneflies)
- 537.T7 Trichoceridae (Winter craneflies)
- 537.T75 Trixoscelidae
- Trypetidae see QL537.T42
- Tylidae see QL537.M43
- 537.U4 Ulidiidae
- 537.X9 Xylophagidae (Erinnidae)
- 538 Anatomy and morphology
- 538.2 Physiology
- Embiopoda (Embiodea; web spinners)
- General works, treatises, and textbooks
- Geographical distribution
 - For geographical distribution of systematic divisions
see QL539.3.A+

Invertebrates

Arthropoda

Insects

Embioptera (Embiodea; web spinners)

Geographical distribution -- Continued

539.15

General works

539.2

North America (United States and Canada) (Table Q3)

539.22

Mexico, Central America, and West Indies (Table Q3)

539.23

South America (Table Q3)

539.24

Europe (Table Q3)

539.25

Asia (Table Q3)

539.26

Africa (Table Q3)

539.27

Australasia and Indo-Pacific islands (Table Q3)

539.28

Polar regions

539.29

Tropics

539.3.A-Z

Systematic divisions. By family, A-Z

539.3.A5

Anisembiidae

539.3.C4

Clothodidae

539.3.E4

Embiidae

539.3.N6

Notoligotomidae

539.3.O44

Oligembiidae

539.3.O46

Oligotomidae

539.3.T4

Teratembiidae

539.4

Anatomy and morphology

539.42

Physiology

Mallophaga (Chewing lice)

540

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL540.3.A+

540.15

General works

540.2

North America (United States and Canada) (Table Q3)

540.22

Mexico, Central America, and West Indies (Table Q3)

540.23

South America (Table Q3)

540.24

Europe (Table Q3)

540.25

Asia (Table Q3)

540.26

Africa (Table Q3)

540.27

Australasia and Indo-Pacific islands (Table Q3)

540.28

Polar regions

540.29

Tropics

540.3.A-Z

Systematic divisions. By family, A-Z

540.3.B6

Boopiidae

540.3.D3

Dasyonygidae

540.3.G9

Gyropidae

540.3.H4

Heptapsogastridae

Invertebrates

Arthropoda

Insects

Mallophaga (Chewing lice)

Systematic divisions. By family, A-Z -- Continued

540.3.L3

Laemobothridae

540.3.M4

Menoponidae

540.3.N4

Nesiotinidae

540.3.P4

Philopteridae

540.3.R5

Ricinidae

540.3.T7

Trichodectidae

540.3.T72

Trichophilopteridae

540.3.T74

Trimenoponidae

540.4

Anatomy and morphology

540.42

Physiology

Lepidoptera (Butterflies; moths)

541

Periodicals, societies, congresses, serial publications

541.5

Dictionaries and encyclopedias

542

General works, treatises, and textbooks

543

Pictorial works and atlases

544

Popular works

544.2

Juvenile works

544.6

Butterfly attracting

Including butterfly gardens and gardening

545

Classification

545.2

Catalogs and collections

Geographical distribution

For geographical distribution of systematic divisions

see QL561.A+

546

General works

North America

548

General works

United States

549

General works

551.A-Z

By region or state, A-Z

552

Canada

553

Mexico, Central America, and West Indies (Table Q3)

554

South America (Table Q3)

555

Europe (Table Q3)

556

Asia (Table Q3)

557

Africa (Table Q3)

557.5

Indian Ocean islands (Table Q3)

558

Australia

558.5

New Zealand

559

Pacific islands (Table Q3)

560

Arctic regions

560.5

Antarctica

Invertebrates

Arthropoda

Insects

Lepidoptera (Butterflies; moths)

Geographical distribution -- Continued

Tropics

Systematic divisions. By family, A-Z

560.6	Tropics
561.A-Z	Systematic divisions. By family, A-Z
561.A25	Acraeidae
561.A254	Acrolepiidae
561.A256	Acrolophidae
561.A3	Adelidae
	Aegeriidae see QL561.S47
561.A4	Agaristidae
561.A46	Agonoxenidae
561.A48	Alucitidae
561.A5	Amathusiidae
561.A57	Amphitheridae
	Amydriidae see QL561.T55
561.A65	Anomologidae
561.A67	Anthelidae
561.A7	Apoprogonidae
561.A8	Arctiidae (Tiger moths)
561.A84	Argyresthiidae
561.A865	Arrhenophandiae
561.A88	Ashinagidae
561.A93	Axiidae
561.B4	Blastobasidae
561.B6	Bombycidae (Silkworm moths)
561.B68	Brachodidae
561.B7	Brahmaeidae
561.C24	Callidulidae
561.C3	Carposinidae
561.C35	Castniidae
561.C4	Cecidosetidae
561.C42	Cercophanidae
561.C44	Charideidae
561.C46	Chlidanotidae
561.C47	Choreutidae
561.C48	Chrysopolomidae
561.C5	Citheroniidae (Royal moths)
561.C57	Cochylidae
561.C58	Coleophoridae (Casebearer moths)
561.C59	Cosmopterigidae
561.C6	Cossidae (Carpenterworm moths)
	Crambidae see QL561.P9
561.C8	Ctenuchidae
561.C9	Cyclotornidae

Invertebrates
Arthropoda
Insects

Lepidoptera (Butterflies; moths)

Systematic divisions. By family, A-Z -- Continued

561.D25	Dalceridae (Milkweed butterflies)
561.D3	Danaidae (Milkweed butterflies)
561.D5	Dipotidae
561.D6	Douglasiidae
561.D7	Drepanidae
561.E4	Elachistidae
561.E5	Endromidae
561.E74	Epermeniidae
561.E75	Epicopeiidae
561.E754	Epimarptidae
561.E757	Epipaschiidae
561.E758	Epiplemidae
561.E759	Epipyropidae
561.E8	Eriocraniidae
561.E85	Ethmiidae
(561.E9)	Eucleidae
	see QL561.L54
561.E94	Eupterotidae
561.G3	Galleriidae (Wax moths)
561.G4	Gelechiidae
561.G6	Geometridae
561.G65	Glyphipterygidae
561.G7	Gracillariidae (Leafblotch miners)
561.H42	Heliconiidae
561.H44	Heliodinidae
561.H448	Heliozelidae (Shield bearers)
561.H47	Hepialidae
561.H5	Hesperiidae (Skippers)
561.H53	Heterogynidae
561.H9	Hyblaeidae
561.H97	Hypsmocomidae
561.I45	Immidae
561.I5	Incurvariidae
561.L3	Lasiocampidae (Tent-caterpillar moths)
561.L37	Lecithoceridae
561.L4	Lemoniidae
561.L5	Libytheidae
561.L54	Limacodidae (Slug caterpillar moths)
	Lithosiidae see QL561.A8
561.L8	Lycaenidae
561.L9	Lymantriidae (Tussock moths)
561.L95	Lyonetiidae

QL

Invertebrates

Arthropoda

Insects

Lepidoptera (Butterflies; moths)

Systematic divisions. By family, A-Z -- Continued

561.M4	Megalopygidae (Flannel moths)
561.M42	Megathymidae (Skippers)
561.M44	Metachandidae
561.M44	Metachandidae
561.M48	Micropterygidae
561.M5	Mimallonidae
561.M55	Mnesarchaeidae
561.M6	Morphidae
561.N38	Neopseustidae
561.N4	Nepticulidae
561.N7	Noctuidae (Owlet moths; underwings)
561.N74	Nolidae
561.N8	Notodontidae
561.N87	Nyctemeridae
561.N9	Nymphalidae (Brushfooted butterflies)
561.O26	Ochsenheimeriidae
561.O43	Oecophoridae
	Oinophilidae see QL561.T55
561.O6	Olethreutidae
561.O7	Opostegidae
	Orenodidae see QL561.A48
561.O9	Oxychirotidae
561.O93	Oxytenididae
561.P17	Palaeosetidae
561.P18	Palaephathidae
561.P2	Papilionidae (Swallowtail butterflies)
	Phaloniidae see QL561.C57
	Phycitidae see QL561.P9
561.P48	Phyllocnistidae
561.P5	Pieridae
561.P55	Plutellidae (Diamondback moths)
561.P57	Prodoxidae (Yucca moths)
561.P58	Prototheoridae
561.P6	Psychidae (Bagworm moths)
561.P8	Pterophoridae (Plume moths)
561.P85	Pterothysanidae
561.P9	Pyralidae
561.P96	Pyromorphidae
561.R3	Ratardidae
561.R53	Ridiaschinidae
561.R56	Riodinidae
561.S2	Saturniidae (Giant silkworm moths)

Invertebrates

Arthropoda

Insects

Lepidoptera (Butterflies; moths)

Systematic divisions. By family, A-Z -- Continued

- 561.S3 Satyridae
- 561.S35 Scythridae
- 561.S44 Sematuridae
- 561.S47 Sesiidae (Clearwing moths)
- Setomorphidae see QL561.T55
- 561.S7 Sphingidae (Sphinx moths)
- 561.S8 Stenomidae
- 561.S87 Strepsimanidae
- 561.T46 Thyatiridae
- 561.T48 Thyrididae
- 561.T55 Tineidae (Clothes moths)
- 561.T56 Tineodidae
- 561.T58 Tischeriidae
- 561.T8 Tortricidae (Leaf-roller moths)
- 561.U7 Uraniidae
- 561.X9 Xylorictidae
- 561.Y7 Yponomeutidae (Ermine moths)
- 561.Z9 Zygaenidae (Leaf-skeletonizer moths)

562 Anatomy and morphology

562.2 Physiology

562.4 Behavior. Social life. Instinct

562.6 Ecology

Hymenoptera (Ants; bees; wasps; etc.)

Cf. SF521+ Bee culture

563 General works, treatises, and textbooks

564 Pictorial works and atlases

565 Popular works

565.2 Juvenile works

566 Classification

566.2 Catalogs and collections

Geographical distribution

For geographical distribution of systematic divisions
see QL568.A+

567 General works

567.1 North America (United States and Canada) (Table Q3)

567.2 Mexico, Central America, and West Indies (Table Q3)

567.3 South America (Table Q3)

567.4 Europe (Table Q3)

567.5 Asia (Table Q3)

567.6 Africa (Table Q3)

567.7 Australia

Invertebrates

Arthropoda

Insects

Hymenoptera (Ants; bees; wasps; etc.)

Geographical distribution -- Continued

567.75	New Zealand
567.8	Pacific islands (Table Q3)
567.9	Arctic regions
567.95	Antarctica
567.96	Tropics
568.A-Z	Systematic divisions. By family, A-Z
568.A17	Acorduleceridae
568.A23	Agaontidae (Fig wasps)
568.A24	Agriotypidae
568.A3	Alienidae
568.A34	Alysiidae
568.A344	Alyssonidae
568.A36	Ampulicidae
568.A38	Anacharitidae
568.A4	Andrenidae
568.A48	Anthoboscidae
568.A53	Anthophoridae
568.A55	Aphelinidae
568.A57	Aphidiidae
568.A6	Apidae (Bumblebees; honeybees; stingless bees)
568.A7	Apterogynidae
568.A77	Argidae
568.A8	Aspiceridae
568.A9	Aulacidae
568.B36	Belytidae
	Bembicidae see QL568.S7
568.B4	Bethylidae
568.B5	Blasticotomidae
568.B8	Braconidae
568.B83	Bradynobaenidae
568.C373	Cephidae (Stem sawflies)
568.C375	Ceraphronidae
568.C377	Cerceridae
568.C4	Chalcididae
568.C44	Charipidae
568.C47	Chrysididae (Cuckoo wasps)
568.C5	Cimbicidae
568.C55	Cleonymidae
568.C56	Cleptidae
568.C6	Colletidae
568.C7	Crabronidae
568.C9	Cynipidae (Gall wasps)

Invertebrates

Arthropoda

Insects

Hymenoptera (Ants; bees; wasps; etc.)

Systematic divisions. By family, A-Z -- Continued

568.D44	Diapriidae
568.D47	Dimorphidae
568.D5	Diprionidae (Conifer sawflies)
568.D7	Dryinidae
568.E4	Elasmidae
568.E5	Embolemidae
568.E6	Encyrtidae
568.E75	Eucharididae
568.E77	Eucoilidae
568.E8	Eulophidae
568.E84	Eumenidae
568.E845	Eupelmidae
568.E85	Eurytomidae
568.E9	Evaniidae (Ensign wasps)
568.F47	Fideliidae
568.F5	Figitidae
568.F7	Formicidae (Ants)
568.G3	Gasteruptionidae
568.G6	Gorytidae
568.H3	Halictidae (Sweat bees)
568.H4	Heloridae
568.I15	Ibaliidae
568.I2	Ichneumonidae
568.L3	Larridae
568.L47	Leptofoenidae
568.L49	Leucospididae
568.L56	Liopteridae
(568.M3)	Masaridae
	see QL568.V5
568.M4	Megachilidae (Leaf-cutting bees)
568.M44	Megalodontidae
568.M45	Megalyridae
(568.M456)	Meliponidae
	see QL568.A6
568.M46	Melittidae
568.M466	Mellinidae
568.M48	Methocidae
568.M55	Miscogastridae
568.M56	Miscophidae
568.M6	Monomachidae
568.M8	Mutillidae (Velvet ants)
568.M94	Mymaridae (Fairyflies)

Invertebrates

Arthropoda

Insects

Hymenoptera (Ants; bees; wasps; etc.)

Systematic divisions. By family, A-Z -- Continued

568.M944	Mymaromatidae
568.M97	Myrmosidae
568.N9	Nyssonidae
568.O25	Oberthuerellidae
568.O74	Ormyridae
568.O78	Orussidae (Parasitic wood wasps)
	Oryssidae see QL568.O78
568.O8	Oxaeidae
568.O9	Oxybelidae
568.P3	Pamphiliidae (Web-spinning sawflies)
568.P43	Pelecinidae
	Pemphredonidae see QL568.S7
568.P474	Pergidae
568.P475	Perilampidae
568.P5	Philanthidae
568.P55	Platygastridae
568.P58	Plumariidae
568.P6	Pompilidae (Spider wasps)
568.P9	Proctotrypidae
568.P94	Pteromalidae
568.P945	Pterostigmatidae
568.R4	Rhopalosomatidae
568.R6	Roproniidae
568.S2	Sapygidae
568.S3	Scelionidae
568.S34	Sclerogibbidae
568.S38	Scoliidae
568.S5	Sierolomorphidae
568.S57	Siricidae (Horntails)
568.S7	Sphecidae
568.S8	Stephanidae
568.S85	Stizidae
568.S96	Syntexidae
568.T3	Tenthredinidae (Sawflies)
568.T34	Tetracampidae
568.T4	Thynnidae
568.T5	Tiphiidae
568.T6	Torymidae
568.T7	Trichogrammatidae
568.T74	Trigonalidae
568.T79	Trypoxylidae
568.V3	Vanhorniidae

Invertebrates

Arthropoda

Insects

Hymenoptera (Ants; bees; wasps; etc.)

Systematic divisions. By family, A-Z -- Continued

568.V5

Vespidae (Hornets, etc.)

568.X5

Xiphydriidae (Wood wasps)

568.X7

Xyelidae

569

Anatomy and morphology

569.2

Physiology

569.4

Behavior. Social life. Instinct

Anoplura (Sucking lice)

570

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL570.3.A+

570.15

General works

570.2

North America (United States and Canada) (Table
Q3)

570.22

Mexico, Central America, and West Indies (Table Q3)

570.23

South America (Table Q3)

570.24

Europe (Table Q3)

570.25

Asia (Table Q3)

570.26

Africa (Table Q3)

570.27

Australasia and Indo-Pacific islands (Table Q3)

570.28

Polar regions (Table Q3)

570.29

Tropics (Table Q3)

570.3.A-Z

Systematic divisions. By family, A-Z

570.3.E3

Echinophthiriidae

570.3.H34

Haematomyzidae

570.3.H37

Haematopinidae

570.3.H38

Haematopinoididae

570.3.H64

Hoplopleuridae

570.3.N4

Neolignathidae

570.3.P4

Pediculidae

570.3.P5

Phthiriidae

Coleoptera (Beetles)

571

Periodicals, societies, congresses, serial publications

572

Collected works (nonserial)

573

General works, treatises, and textbooks

575

Pictorial works and atlases

576

Popular works

576.2

Juvenile works

577

Classification

577.2

Catalogs and collections

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles) -- Continued

Geographical distribution

For geographical distribution of systematic divisions
see QL596.A+

578

General works

580

America

North America

581

General works

United States

583

General works

584.A-Z

By region or state, A-Z

585

Canada

Latin America

585.5

General works

586

Mexico

587

Central America (Table Q3)

588

West Indies (Table Q3)

589

South America (Table Q3)

591

Europe (Table Q3)

592

Asia (Table Q3)

593

Africa (Table Q3)

594

Australia

594.5

New Zealand

595

Pacific islands (Table Q3)

595.2

Arctic regions

595.4

Antarctica

595.6

Tropics

596.A-Z

Systematic divisions. By family, A-Z

596.A23

Acanthoceridae

596.A27

Aculognathidae

596.A3

Aderidae

596.A37

Aegialiidae

596.A4

Aglycyderidae

596.A42

Alleculidae

596.A43

Alticidae

596.A45

Amphizoidae

596.A5

Anobiidae

596.A62

Anthicidae (Antlike flower beetles)

596.A63

Anthribidae (Fungus weevils)

596.A64

Aphodiidae

596.A8

Atractoceridae

596.A83

Attelabidae

596.B5

Bostrichidae (False powderpost beetles)

596.B54

Brachypteridae

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z -- Continued

596.B58	Brachyspectridae
596.B6	Brathinidae
596.B65	Brentidae
596.B7	Bruchidae (Seed beetles)
596.B8	Buprestidae (Metallic wood borers)
596.B97	Byrrhidae
596.B98	Byturidae (Fruitworm beetles)
596.C15	Cantharidae (Soldier beetles)
596.C2	Carabidae (Ground beetles)
	Cassididae see QL596.C5
596.C28	Catopochrotidae
596.C3	Cebrionidae
596.C37	Cephaloidae
596.C4	Cerambycidae (Longhorned beetles)
596.C415	Ceratocanthidae
596.C42	Cerophytidae
596.C43	Cetoniidae
596.C45	Chapuisiidae
596.C46	Chelonariidae
596.C48	Chlamisidae
596.C5	Chrysomelidae (Leaf beetles)
596.C56	Cincindelidae (Tiger beetles)
596.C6	Ciidae
596.C613	Cistelidae
596.C617	Clambidae
596.C618	Clavigeridae
596.C62	Cleridae (Checkered beetles)
596.C64	Clytridae
596.C65	Coccinellidae (Lady beetles)
596.C66	Colydiidae
596.C667	Corylophidae
596.C67	Corynetidae
596.C68	Cossyphodidae
596.C7	Crioceridae
596.C77	Cryptocephalidae
596.C78	Cryptophagidae
596.C8	Cucujidae (Flat-bark beetles)
596.C85	Cupidae
596.C9	Curculionidae (Snout beetles)
596.C93	Cyathoceridae
596.C933	Cybocephalidae
596.C94	Cyladidae

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z -- Continued

596.D37	Dascyllidae
596.D375	Dasytidae
596.D4	Dermestidae
596.D42	Derodontidae
596.D57	Diphyllidae
596.D58	Discolomidae
596.D6	Donaciidae
596.D67	Drilidae
596.D7	Dryopidae
596.D85	Dynastidae
596.D9	Dytiscidae (Predaceous diving beetles)
596.E3	Ectrephidae
596.E38	Elacatidae
596.E4	Elateridae (Click beetles)
596.E45	Elmidae
596.E5	Endomychidae
596.E7	Erotylidae
596.E76	Euchiridae
596.E77	Eucinetidae
596.E8	Eucnemidae
596.E84	Euglenidae
596.E85	Eumolpidae
596.E87	Eurystethidae
596.G3	Galerucidae
596.G47	Georyssidae
596.G48	Geotrupidae
596.G5	Glaphyridae
596.G6	Gnostidae
596.G8	Gyrinidae (Whirligig beetles)
596.H2	Haliplidae
596.H38	Helodidae
596.H4	Helotidae
596.H43	Hemipeplidae
596.H45	Heteroceridae
596.H48	Hispidae
596.H5	Histeridae (Hister beetles)
596.H78	Hybosoridae
596.H79	Hydraenidae
596.H8	Hydrophilidae (Water scavenger beetles)
596.H85	Hydroscaphidae
596.H9	Hygrobiidae
596.H95	Hypocephalidae

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z -- Continued

596.I7	Ipidae
596.J3	Jacobsoniidae
596.L23	Lagriidae
596.L25	Lamiidae
596.L27	Lamprosomatidae
596.L28	Lampyridae (Fireflies)
596.L29	Languriidae
596.L3	Lathridiidae
596.L35	Leiodidae (Round fungus beetles)
596.L4	Leptinidae
596.L43	Leptodiridae
596.L55	Limnichidae
596.L58	Limulodidae
596.L8	Lucanidae (Stag beetles)
596.L9	Lycidae (Netwinged beetles)
596.L92	Lyctidae (Powderpost beetles)
596.L94	Lyxmexylidae (Timber beetles)
596.M2	Malachiidae
596.M3	Megalopodidae
596.M34	Megascelidae
	Melasidae see QL596.E8
596.M38	Meloidae (Blister beetles)
596.M4	Melolonthidae (Cockchafers)
596.M43	Melyridae
596.M47	Micromalthidae
596.M5	Micropeplidae
596.M53	Monoedidae
596.M55	Monommatidae
596.M57	Monotomidae
596.M6	Mordellidae (Tumbling flower beetles)
596.M8	Murmidiidae
596.M9	Mycetaeidae
596.M92	Mycetophagidae (Hairy fungus beetles)
596.N4	Nemonychidae
596.N54	Nilionidae
596.N57	Niponiidae
596.N58	Nitidulidae (Sap beetles)
596.N6	Nosodendridae
596.O25	Ochodaeidae
596.O4	Oedemeridae
596.O67	Orphnidae
596.O7	Orthoperidae

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z -- Continued

	Ostomatidae see QL596.T8
596.P13	Pachypodidae
596.P17	Parandridae
596.P2	Passalidae
596.P25	Passandridae
596.P3	Pedilidae
596.P38	Petriidae
596.P4	Phaenocephalidae
596.P42	Phaenomeridae
596.P46	Phalacridae (Shining fungus beetles)
596.P47	Phenogodidae (Glowworms)
596.P5	Plastoceridae
596.P6	Platypodidae
596.P62	Platypsyllidae
596.P63	Pleocomidae
596.P7	Prionidae
596.P75	Proterhinidae
596.P8	Pselaphidae
596.P815	Psephenidae
596.P83	Ptiliidae
(596.P85)	Ptinidae (Spider beetles) see QL596.A5
596.P96	Pyrochroidae
596.P98	Phthidae
596.R4	Rhipiceridae
596.R485	Rhipiphoridae
596.R5	Rhizophagidae
596.R57	Rhysodidae
596.R8	Rutelidae
596.S23	Sagridae
596.S28	Scaphidiidae
596.S3	Scarabaeidae (Scarabs)
596.S35	Scolytidae (Bark beetles)
596.S353	Scolytoplatypodidae
596.S38	Scraptiidae
596.S4	Scydmaenidae
596.S45	Serropalpidae
596.S49	Silvanidae
596.S5	Silphidae (Carrion beetles)
596.S53	Sinodendridae
596.S6	Smicripidae
596.S65	Sphaeriidae

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z -- Continued

- 596.S66 Sphaeritidae
- 596.S68 Sphaerosomatidae
- 596.S7 Sphindidae
- 596.S75 Staphylinidae (Rove beetles)
- 596.S9 Synteliidae
- 596.T16 Telegeusidae
- 596.T2 Tenebrionidae (Darkling beetles)
- 596.T27 Tetratomidae
- 596.T35 Thorictidae
- 596.T4 Throscidae
- 596.T7 Trichiidae

Trichopterygidae see QL596.P83

- 596.T75 Trictenotomidae

- 596.T78 Trogidae

- 596.T8 Trogositidae

- 596.U75 Urodontidae

- 597 Anatomy and morphology

- 597.2 Physiology

Thysanoptera (Thrips)

- 598 General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL598.3.A+

- 598.15 General works

- 598.2 North America (United States and Canada) (Table Q3)

- 598.22 Mexico, Central America, and West Indies (Table Q3)

- 598.23 South America (Table Q3)

- 598.24 Europe (Table Q3)

- 598.25 Asia (Table Q3)

- 598.26 Africa (Table Q3)

- 598.27 Australasia and Indo-Pacific islands (Table Q3)

- 598.28 Polar regions

- 598.29 Tropics

- 598.3.A-Z Systematic divisions. By family, A-Z

- 598.3.A4 Aeolothripidae

- 598.3.C4 Ceratothripidae

- 598.3.C5 Chirothripoididae

- 598.3.E3 Ecacanthothripidae

- 598.3.E8 Eupatithripidae

- 598.3.F7 Franklinothripidae

- 598.3.H4 Heterothripidae

Invertebrates

Arthropoda

Insects

Thysanoptera (Thrips)

Systematic divisions. By family, A-Z -- Continued

598.3.H9

Hystrichothripidae

598.3.I3

Idolothripidae

598.3.M44

Megathripidae

598.3.M45

Melanothripidae

598.3.M47

Merothripidae

598.3.M9

Mymarothripidae

598.3.O7

Orothripidae

598.3.P3

Panchaetothripidae

598.3.P45

Phlaeothripidae

598.3.P5

Phloeothripidae

598.3.P9

Pygothripidae

598.3.T4

Thripidae

598.3.U7

Urothripidae

598.4

Anatomy and morphology

598.42

Physiology

Mecoptera (Scorpionflies)

598.5

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions
see QL598.7.A+

598.52

General works

598.6

North America (United States and Canada) (Table
Q3)

598.62

Mexico, Central America, and West Indies (Table Q3)

598.63

South America (Table Q3)

598.64

Europe (Table Q3)

598.65

Asia (Table Q3)

598.66

Africa (Table Q3)

598.67

Australasia and Indo-Pacific islands (Table Q3)

598.68

Polar regions

598.69

Tropics

598.7.A-Z

Systematic divisions. By family, A-Z

598.7.B5

Bittacidae

598.7.B6

Boreidae

598.7.M4

Meropeidae

598.7.N6

Notiothaumidae

598.7.P3

Panorpidae

598.8

Anatomy and morphology

598.82

Physiology

Strepsiptera (Twisted-winged parasites)

599

General works, treatises, and textbooks

	Invertebrates
	Arthropoda
	Insects
	Strepsiptera (Twisted-winged parasites) -- Continued
	Geographical distribution
	For geographical distribution of systematic divisions
	see QL599.3.A+
599.15	General works
599.2	North America (United States and Canada) (Table Q3)
599.22	Mexico, Central America, and West Indies (Table Q3)
599.23	South America (Table Q3)
599.24	Europe (Table Q3)
599.25	Asia (Table Q3)
599.26	Africa (Table Q3)
599.27	Australasia and Indo-Pacific islands (Table Q3)
599.28	Polar regions
599.29	Tropics
599.3.A-Z	Systematic divisions. By family, A-Z
599.3.C32	Callipharixenidae
599.3.E4	Elenchidae
599.3.H3	Halictophagidae
599.3.M45	Mengeidae
599.3.M46	Mengenillidae
599.3.M9	Myrmecolacidae
599.3.S85	Stichotrematidae
599.3.S89	Stylopidae
599.4	Anatomy and morphology
599.42	Physiology
	Siphonaptera (Fleas)
599.5	General works, treatises, and textbooks
	Geographical distribution
	For geographical distribution of systematic divisions
	see QL599.7.A+
599.52	General works
599.6	North America (United States and Canada) (Table Q3)
599.62	Mexico, Central America, and West Indies (Table Q3)
599.63	South America (Table Q3)
599.64	Europe (Table Q3)
599.65	Asia (Table Q3)
599.66	Africa (Table Q3)
599.67	Australasia and Indo-Pacific islands (Table Q3)
599.68	Polar regions
599.69	Tropics
599.7.A-Z	Systematic divisions. By family, A-Z
599.7.C47	Ceratophyllidae

- Invertebrates
 - Arthropoda
 - Insects
 - Siphonaptera (Fleas)
 - Systematic divisions. By family, A-Z -- Continued
 - 599.7.D6 Dolichopsyllidae
 - 599.7.H4 Hectopsyllidae
 - 599.7.H9 Hystrichopsyllidae
 - 599.7.I3 Ischnopsyllidae
 - 599.7.P8 Pulicidae
 - 599.7.S8 Stephanocircidae
 - 599.7.T8 Tungidae
 - 599.8 Anatomy and morphology
 - 599.82 Physiology
- Chordates. Vertebrates
 - For behavior see QL750+
 - For anatomy see QL801+
 - For physiology see QP1+
 - 605.A1 Periodicals, societies, congresses, serial publications
 - 605.A2 Collected works (nonserial)
 - 605.A3-Z General works, treatises, and textbooks
 - 605.2 Popular works
 - 605.3 Juvenile works
 - 605.4 Dictionaries and encyclopedias
 - Rare and endangered species see QL81.5+
 - Geographical distribution
 - For geographical distribution of systematic divisions, see the division, e.g. QL619+, Fishes
 - 606.5 General works
 - 606.52 North America (United States and Canada) (Table Q3)
 - 606.53 Mexico, Central America, and West Indies (Table Q3)
 - 606.54 South America (Table Q3)
 - 606.55 Europe (Table Q3)
 - 606.56 Asia (Table Q3)
 - 606.57 Africa (Table Q3)
 - 606.58 Australasia and Indo-Pacific islands (Table Q3)
 - Arctic regions
 - 606.59 General works
 - 606.592 Bering Land Bridge Region. Beringia
 - 606.594 Greenland
 - 606.597 Antarctica
 - 606.6 Tropics
 - 607 Classification
 - 607.2 Catalogs and collections
 - 607.5 Evolution (General)
 - 607.6 Population dynamics
 - 607.9 Collection and preservation

Chordates. Vertebrates -- Continued

Protochordata

- 610 General works
- 611 Cephalochordata
- 612 Hemichordata
- 613 Urochordata (Tunicata)

Fishes

Cf. SH1+ Fish culture, fisheries, angling

- 614 Periodicals, societies, congresses, serial publications

- 614.5 Collected works (nonserial)

- 614.7 Dictionaries and encyclopedias

Communication of information

- 614.73 General works

- 614.74 Information services

- 614.75 Computer network resources

Including the Internet

History of ichthyology

- 614.8 General works

- 614.83.A-Z By region or country, A-Z

Biography of ichthyologists see QL26+

- 614.9 Directories

- 615 General works, treatises, and textbooks

- 616 Pictorial works and atlases

- 617 Popular works

- 617.2 Juvenile works

Rare and endangered species

- 617.7 General works

- 617.73.A-Z By region or country, A-Z

- 618 Classification. Nomenclature

- 618.15 Catalogs and collections

- 618.2 Evolution. Speciation

- 618.3 Population dynamics

Study and teaching. Research

- 618.5 General works

- 618.55 Fish watching

For fish watching in individual regions or countries, see
QL620+

- 618.6 Collection and preservation. Fish mounting

Cf. SH338+ Fisheries museums and exhibitions

- 618.65 Fish surveys

For fish surveys in individual regions or countries, see
QL620+

- 618.7 Poisonous fishes. Dangerous fishes

Cf. QL638.93 Shark attacks

Geographical distribution

For geographical distribution of systematic divisions
see QL637.9+

Chordates. Vertebrates

Fishes

Geographical distribution -- Continued

619

General works

Physiographic divisions

Marine fishes

For marine fishes of a particular coast see QL625+

620

General works

620.2

Circumpolar

Cf. QL637 Arctic Ocean

Cf. QL637.2 Antarctic Ocean

620.4

Circumtropical

620.45

Coral reefs

620.6

Intertidal fishes

Atlantic Ocean

Cf. QL632.5 Atlantic Ocean islands

621

General works

North Atlantic

621.2

General works

Eastern North Atlantic

Including the coast of Europe

621.3

General works

621.32

Greenland Sea

621.34

Norwegian Sea

621.35

Baltic Sea

Including the Gulf of Bothnia

621.36

Kattegat. Skagerrak

621.37

North Sea

621.38

English Channel

621.39

Irish Sea

621.395

Biscay, Bay of

Mediterranean Sea

621.4

General works

621.42

Adriatic Sea

621.44

Aegean Sea

621.46

Black Sea

Western North Atlantic

Including the coast of North America

621.5

General works

621.52

Baffin Bay

621.53

Davis Strait

621.54

Newfoundland Banks

621.56

Gulf of Mexico

621.58

Caribbean Sea

Central Atlantic. Tropical Atlantic

621.6

General works

621.62

Eastern Central Atlantic

	Chordates. Vertebrates
	Fishes
	Geographical distribution
	Physiographic divisions
	Marine fishes
	Atlantic Ocean
	Central Atlantic. Tropical Atlantic -- Continued
621.65	Western Central Atlantic
	South Atlantic
621.7	General works
	Eastern South Atlantic
	Including the coast of Africa
621.72	General works
621.75	Gulf of Guinea
621.77	Western South Atlantic
	Including the coast of South America
	Indian Ocean
	Cf. QL636.7 Indian Ocean islands
622	General works
	North Indian Ocean
622.2	General works
	Arabian Sea
622.3	General works
622.32	Persian Gulf
622.34	Red Sea
622.36	Gulf of Aden
	Bay of Bengal
622.4	General works
622.45	Andaman Sea
	South Indian Ocean
622.5	General works
622.55	Mozambique Channel
	Pacific Ocean
	Cf. QL636.5 Pacific islands
623	General works
	North Pacific
623.2	General works
623.3	Bering Sea
	Eastern North Pacific
	Including the coast of North America
623.4	General works
623.45	Gulf of Alaska
	Western North Pacific
	Including the coast of Asia
623.5	General works
623.52	Okhotsk Sea
623.53	Japan Sea

QL

	Chordates. Vertebrates
	Fishes
	Geographical distribution
	Physiographic divisions
	Marine fishes
	Pacific Ocean
	North Pacific
	Western North Pacific -- Continued
623.54	Yellow Sea
	China Sea
623.548	General works
623.55	East China Sea
623.56	South China Sea
623.58	Philippine Sea
623.59	Tonkin, Gulf of
623.6	Central Pacific. Tropical Pacific
	South Pacific
623.7	General works
623.8	Eastern South Pacific
	Including the coast of South America
	Western South Pacific
	Including Australasia
623.9	General works
623.92	Java Sea
623.94	Coral Sea
623.96	Tasman Sea
623.98	Indo-Pacific region
	Arctic Ocean see QL637
	Antarctic Ocean see QL637.2
624	Freshwater fishes
	Class here general works only
	For fishes of a particular area see QL625+
	Topographic divisions
	North America
625	General works
625.5	Great Lakes
	Canada
626	General works
626.5.A-Z	By region or province, A-Z
	United States
627	General works
628.A-Z	By region or state, A-Z
	Cf. QL636.5 Hawaii
	Latin America
628.5	General works
629	Mexico
630	Central America (Table Q3)

Chordates. Vertebrates

Fishes

Geographical distribution

Topographical divisions

Latin America -- Continued

631

West Indies (Table Q3)

632

South America (Table Q3)

632.5

Atlantic Ocean islands (Table Q3)

633

Europe (Table Q3)

634

Asia (Table Q3)

635

Africa (Table Q3)

636

Australia

636.2

New Zealand

636.5

Pacific islands (Table Q3)

636.7

Indian Ocean islands (Table Q3)

637

Arctic regions

Including the Arctic Ocean

637.2

Antarctica

Including the Antarctic Ocean

637.5

Tropics

Systematic divisions

637.9.A-Z

Osteichthys (Bony fishes). By order, A-Z

Class species, genera, and families in QL638

Class single-family orders with family in QL638

For general works and works on higher groups of

bony fishes, except dipnoid and ganoid fishes see

QL615

For general works on dipnoid and ganoid fishes see

QL638.3

637.9.A3

Acipenseriformes

Amiiformes see QL638.A37

637.9.A5

Anguilliformes (Eels)

637.9.A8

Atheriniformes

637.9.A93

Aulopiformes

Batrachoidiformes see QL638.B3

637.9.B36

Beloniformes

637.9.B4

Beryciformes

Ceratodontiformes see QL638.C356

637.9.C35

Cetomimiformes

Channiformes see QL638.C486

637.9.C38

Characiformes

637.9.C4

Clupeiformes

Coelacanthiformes see QL638.L26

Ctenothrissiformes see QL638.M13

637.9.C9

Cypriniformes

637.9.C95

Cyprinodontiformes

637.9.D3

Dactylopteriformes

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By order, A-Z -- Continued

637.9.D5	Dipteriformes
637.9.E4	Elopiformes
637.9.G3	Gadiformes
637.9.G37	Gasterosteiformes
	Gobiesociformes see QL638.G6
637.9.G6	Gonorynchiformes
637.9.G94	Gymnotiformes
637.9.L3	Lampridiformes
	Lepisosteiformes see QL638.L4
637.9.L6	Lophiiformes
637.9.M6	Mormyriiformes
637.9.M93	Myctophiformes
637.9.N6	Notacanthiformes
637.9.O63	Ophidiiformes
637.9.O76	Osmeriformes
637.9.O8	Osteoglossiformes
	Pegasiformes see QL638.P32
637.9.P46	Perciformes
637.9.P47	Percopsiformes
637.9.P5	Pleuronectiformes
	Polypteriformes see QL638.P76
637.9.S3	Salmoniformes
637.9.S35	Scorpaeniformes
637.9.S5	Siluriformes
637.9.S9	Synbranchiformes
637.9.T4	Tetraodontiformes
637.9.Z4	Zeiformes
638.A-Z	

Osteichthyes (Bony fishes). By family, A-Z

Class here works on species, genera, and families

638.A15	Acanthoclinidae
638.A2	Acanthuridae (Surgeonfishes)
638.A25	Acipenseridae (Sturgeons)
638.A27	Acropomatidae
638.A29	Adrianichthyidae
638.A3	Ageneiosidae
638.A316	Agonidae (Poachers)
638.A32	Akysidae
	Alabetidae see QL638.G6
638.A335	Albulidae (Bonefishes)
638.A34	Alepisauridae (Lancetfishes)
638.A35	Alepocephalidae
638.A36	Amarsipidae
638.A364	Amblycipitidae

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

- 638.A366 Amblyopsidae (Cavefishes)
638.A37 Amiidae (Bowfins)
638.A4 Ammodytidae (Sand lances)
638.A44 Amphiliidae
638.A47 Amphipnoidae
638.A5 Anabantidae
638.A53 Anablepidae
638.A54 Anarhichadidae (Wolffishes)
638.A55 Anguillidae (Freshwater eels)
Anisochromidae see QL638.P84
638.A556 Anomalopidae
638.A56 Anoplogasteridae
638.A567 Anoplopomatidae (Sablefishes)
638.A568 Anostomidae
638.A57 Anotopteridae (Daggertoosths)
638.A577 Antennariidae (Frogfishes)
638.A6 Aoteidae
638.A63 Aphredoderidae (Pirate perches)
638.A64 Aploactinidae
638.A642 Aplocheilidae
638.A643 Aplochitonidae
638.A65 Aplodactylidae
638.A7 Apogonidae (Cardinalfishes)
638.A73 Apteronotidae
Arapaimidae see QL638.O88
638.A75 Argentinidae
638.A755 Ariidae (Sea catfishes)
638.A77 Arripidae
638.A78 Aspredinidae
638.A785 Astroblepidae
638.A788 Astronothidae
638.A79 Ateleopodidae
638.A8 Atherinidae (Silversides)
638.A83 Auchenipteridae
638.A84 Aulopodidae
638.A844 Aulorhynchidae
638.A848 Aulostomidae (Trumpetfishes)
638.B13 Bagridae
638.B15 Balistidae (Triggerfishes; filefishes)
638.B153 Balitoridae (Hillstream loaches)
638.B155 Banjosidae
638.B17 Barbourisiidae
638.B18 Bathyclupeidae

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

638.B2	Bathydraconidae
638.B23	Bathylaconidae
638.B25	Bathylagidae (Deepsea smelts)
638.B26	Bathymasteridae (Ronquils)
638.B27	Bathypteroidae
638.B3	Batrachoididae (Toadfishes)
638.B34	Belonidae (Needlefishes)
638.B347	Belontiidae
638.B4	Berycidae
638.B6	Blenniidae (Combtooth blennies)
638.B65	Bothidae (Lefteye flounders)
638.B67	Bovichthyidae
638.B7	Bracionichthyidae (Handfishes)
638.B8	Bramidae (Pomfrets)
638.B83	Branchiostegidae (Tilefishes)
638.B85	Bregmacerotidae (Codlets)
638.C12	Caesionidae
638.C14	Callichthyidae
638.C15	Callionymidae (Dragonets)
638.C2	Caproidae (Boarfishes)
638.C23	Caracanthidae
638.C25	Carangidae (Jacks; pompanos)
638.C26	Carapidae (Pearlfishes)
638.C265	Caristiidae
638.C27	Catostomidae (Suckers)
638.C28	Caulophrynidae
638.C3	Centrarchidae (Sunfishes)
638.C32	Centriscidae (Snipefishes)
638.C326	Centrolophidae
638.C33	Centrophrynidae
638.C34	Centropomidae (Snooks)
638.C347	Cepolidae
638.C35	Ceratiidae (Seadevils)
638.C356	Ceratodontidae
638.C36	Cetomimidae
638.C37	Cetopsidae
638.C385	Chacidae
638.C4	Chaenopsidae
638.C48	Chaetodontidae (Butterflyfishes)
638.C483	Champsodontidae
638.C484	Chanidae
638.C485	Channichthyidae
638.C486	Channidae

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

638.C5	Characidae (Characins; tetras)
638.C53	Chaudhuriidae
638.C534	Chauliodontidae (Viperfishes)
638.C5344	Chaunacidae
638.C536	Cheilodactylidae
638.C5365	Cheimarrichthyidae
638.C54	Chiasmodontidae
638.C544	Chilodontidae
638.C547	Chironemidae
638.C549	Chlorophthalmidae (Greeneyes)
638.C55	Cichlidae (Cichlids)
638.C577	Cirrhitidae (Hawkfishes)
638.C578	Citharidae
638.C5785	Citharinidae
638.C6	Clariidae (Airbreathing catfishes)
638.C63	Clinidae (Clinids; blennies)
638.C64	Clupeidae (Herrings)
638.C647	Cobitidae (Loaches)
(638.C65)	Coelacanthidae see QL638.L26
638.C6535	Colocongridae
638.C654	Comephoridae
638.C655	Congiopodidae
638.C66	Congridae (Conger eels)
638.C666	Congrogadidae
638.C7	Coracinidae
638.C795	Coregonidae see QL638.S2 Coryphaenidae (Dolphinfishes) Coryphaenoididae see QL638.M2
638.C8	Cottidae (Sculpins)
638.C816	Cottocomephoridae
638.C818	Cottunculidae
638.C83	Cranoglanididae
638.C84	Creediidae
638.C88	Ctenoluciidae
638.C89	Curimatidae
638.C9	Cyclopteridae (Lumpsuckers; snailfishes)
638.C914	Cyemidae
638.C92	Cynodontidae
638.C93	Cynoglossidae (Tonguefishes)
638.C94	Cyprinidae (Minnows; carps)
638.C96	Cyprinodontidae (Killifishes)
638.D3	Dactylopteridae (Flying gurnards)

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

638.D35	Dactyloscopidae (Sand stargazers)
638.D4	Denticipitidae
638.D47	Derichthyidae
638.D5	Diceratiidae
638.D56	Diodontidae (Porcupinefishes)
638.D57	Diplomystidae
638.D577	Diretmidae
638.D58	Distichodontidae
638.D6	Doradidae
	Dummumieriidae see QL638.C64
638.D93	Dysommidae (Arrowtooth eels)
638.D95	Dysomminidae
638.E2	Echeneidae (Remoras)
638.E34	Electrophoridae (Electric eel)
638.E4	Elopidae (Ladyfishes, etc.)
638.E5	Embiotocidae (Surfperches)
638.E53	Emmelichthyidae (Bonnetmouths)
638.E55	Engraulidae (Anchovies)
638.E556	Enoplosidae
638.E6	Ephippidae (Spadefishes)
638.E62	Epigonidae (Deepwater cardinalfishes)
638.E65	Erythrinidae
638.E7	Esocidae (Pikes)
638.E8	Eurypharyngidae
638.E83	Eutaeniophoridae
638.E87	Evermannellidae
638.E9	Exocoetidae (Flying fishes)
	Fierasferidae see QL638.C26
638.F5	Fistulariidae (Cornetfishes)
638.F6	Formionidae
638.F86	Fundulidae
638.G2	Gadidae (Codfishes)
638.G23	Gadopsidae
638.G25	Galaxiidae
638.G266	Gasteropelecidae
638.G27	Gasterosteidae (Sticklebacks)
638.G4	Gempylidae (Snake mackerels)
638.G43	Gerridae (Mojarras)
638.G45	Gibberichthyidae
638.G455	Gigantactinidae
638.G5	Giganturidae
638.G55	Glaucosomitidae (Pearl perches)
638.G6	Gobiesocidae (Clingfishes)

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

638.G7	Gobiidae (Gobies)
638.G73	Gobioididae
638.G75	Gonorynchidae
638.G8	Gonostomatidae (Lightfishes)
638.G82	Goodeidae
638.G843	Grammicolepididae
638.G844	Grammidae
638.G848	Grammistidae (Soapfishes)
638.G85	Gregoryinidae
638.G87	Gymnarchidae
	Gymnodontidae see QL638.T32
638.G9	Gymnotidae
638.G95	Gyrinocheilidae
638.H23	Haemulidae (Grunts)
638.H25	Halosauridae
638.H28	Harpagiferidae
638.H3	Harpodontidae
638.H444	Helogeneidae
638.H448	Helostomatidae
638.H45	Hemiodontidae
638.H46	Hemiramphidae (Halfbeaks)
638.H47	Hepsetidae
638.H484	Heterenchelyidae
638.H486	Heteropneustidae
638.H49	Hexagrammidae (Greenlings)
638.H54	Himantolophidae (Footballfishes)
638.H56	Hiodontidae (Mooneyes)
638.H64	Holocentridae (Squirrelfishes)
(638.H66)	Homalopteridae
	see QL638.B153
638.H67	Hoplichthyidae
638.H68	Horaichthyidae
638.H93	Hypophthalmidae
638.H935	Hypoptychidae
638.I13	Icelidae
638.I15	Ichthyboridae
638.I23	Icosteidae (Ragfishes)
638.I3	Ictaluridae (Freshwater catfishes)
638.I35	Idiacanthidae
638.I4	Indostomidae
638.I6	Ipnopidae
638.I86	Isonidae
638.I88	Istiophoridae (Billfishes)

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

638.J4	Jenynsiidae
638.K3	Kasidoridae
638.K5	Kneriidae
638.K6	Korsogasteridae
638.K7	Kraemeriidae
638.K8	Kuhliidae
638.K87	Kurtidae
638.K9	Kyphosidae (Sea chubs)
638.L115	Labracoglossidae
638.L12	Labridae (Wrasses)
638.L2	Lacteriidae
638.L24	Lampridae (Opahs)
638.L26	Latimeriidae
638.L28	Latridae
638.L3	Lebiasinidae
638.L35	Leiognathidae
638.L37	Lepidosirenidae
638.L4	Lepisosteidae (Gars)
638.L47	Leptoscopidae
638.L48	Lethrinidae
638.L5	Limnichthyidae
638.L55	Linophrynidae
	Liparidae see QL638.C9
638.L57	Lipogenidae
638.L6	Lobotidae (Tripletails)
638.L75	Lophiidae (Goosefishes)
638.L77	Lophotidae (Crestfishes)
638.L785	Loricariidae (Armored catfishes)
638.L8	Luciocephalidae
638.L9	Lutjanidae (Snappers)
638.L95	Luvaridae (Louvars)
638.M13	Macristiidae
638.M16	Macrocephenchelyidae
638.M165	Macrorhamphosidae
638.M2	Macrouridae (Grenadiers)
638.M22	Macrurocyttidae
638.M24	Malacosteidae
638.M246	Malapteruridae
638.M28	Mastacembelidae
638.M33	Megalopidae (Tarpon)
638.M34	Melamphaeidae
638.M35	Melanocetidae
	Melanostomiidae see QL638.M3573

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

638.M3573	Melanostomiidae
638.M358	Melanotaeniidae
638.M37	Menidae
638.M4	Merlucciidae
638.M5	Microdesmidae (Wormfishes)
	Microstomidae see QL638.B25
638.M57	Mirapinnidae
638.M6	Mochokidae
638.M64	Molidae (Molas)
638.M645	Monacanthidae
638.M65	Monocentridae
638.M653	Monodactylidae
638.M654	Monognathidae
638.M67	Moridae
638.M675	Moringuidae (Spaghetti eels)
638.M676	Mormyridae
638.M678	Moronidae
638.M8	Mugilidae (Mulletts)
(638.M84)	Mugiloididae
	see QL638.P613
638.M85	Mullidae (Goatfishes)
638.M87	Muraenesocidae (Pike congers)
638.M875	Muraenidae (Morays)
638.M876	Muraenolepididae
638.M9	Myctophidae (Lanternfishes)
638.M97	Myrocongridae
638.N25	Nandidae
638.N3	Neenchelyidae
638.N33	Nematistiidae
638.N34	Nemichthyidae (Snipe eels)
638.N347	Nemipteridae
638.N36	Neoceratiidae
638.N38	Neoscopelidae
638.N387	Neostethidae
638.N4	Nessorhamphidae
638.N46	Nettastomatidae
638.N5	Nomeidae
638.N57	Normanichthyidae
638.N58	Notacanthidae (Spiny eels)
638.N586	Notograptidae
638.N5867	Notopteridae
638.N5873	Notosudidae
638.N6	Nototherniidae

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

	Novumbridae see QL638.U5
638.O2	Odacidae
638.O23	Odontobutidae
638.O3	Ogcocephalidae (Batfishes)
638.O4	Olyridae
638.O45	Omosudidae
638.O5	Oneirodidae
638.O633	Ophichthidae (Snake eels)
638.O634	Ophiclinidae
638.O637	Ophidiidae (Cusk eels)
638.O65	Opisthognathidae (Jawfishes)
638.O657	Opisthoproctidae (Spookfishes)
638.O67	Oplegnathidae
638.O7	Oreosomatidae
638.O78	Oryziatidae
638.O84	Osmeridae (Smelts)
638.O87	Osphronemidae
638.O88	Osteoglossidae
638.O887	Ostraciontidae
638.O9	Owstoniidae
	Oxudercidae see QL638.G7
638.P254	Pangasiidae
638.P258	Pantodontidae
638.P3	Paralepididae
638.P313	Paralichthyidae (Sand flounders)
638.P315	Parazenidae
638.P316	Parodontidae
638.P318	Pataecidae
638.P32	Pegasidae
638.P34	Pempheridae (Sweepers)
638.P35	Pentacerotidae (Armorheads)
638.P357	Penatpodidae
638.P358	Percichthyidae
638.P4	Percidae (Perches; darters)
638.P464	Percophididae (Flatheads)
638.P468	Percopsidae (Trout-perches)
638.P47	Peronedysidae
638.P5	Phallostethidae
638.P55	Pholidichthyidae
638.P56	Pholididae (Gunnels)
638.P57	Phractolaemidae
638.P58	Phycidae
638.P6	Pimelodidae

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

- 638.P613 Pinguipedidae (Sandperches)
638.P62 Platycephalidae
638.P63 Platytroutidae
638.P64 Plecoglossidae
638.P648 Plesiopidae
638.P7 Pleuronectidae (Righteye flounders)
638.P72 Plotosidae
638.P73 Poeciliidae (Livebearers)
638.P747 Polymixiidae (Beardfishes)
638.P75 Polynemidae (Threadfins)
638.P755 Polyodontidae (Paddlefishes)
638.P76 Polypteridae
638.P768 Pomacanthidae (Marine angelfishes)
638.P77 Pomacentridae (Damselfishes)
(638.P772) Pomadasyidae (Grunts)
see QL638.H23
638.P778 Pomatomidae (Bluefishes)
638.P785 Priacanthidae (Bigeyes)
638.P786 Prochilodontidae
638.P788 Profundulidae (Middle American killifishes)
638.P8 Psettodidae
638.P84 Pseudochromidae
638.P844 Pseudogrammididae
Pseudoplesiopidae see QL638.P84
638.P855 Psilorhynchidae
638.P88 Psychrolutidae
638.P9 Ptilichthyidae (Quillfishes)
Pygidiidae see QL638.T76
Pyramodontidae
638.P97 Rachycentridae (Cobias)
638.R3 Regalecidae (Oarfishes)
638.R4 Retropinnidae
638.R48 Rhamphichthyidae
638.R5 Rhinoprenidae
638.R55 Rhyacichthyidae
638.R59 Rondeletiidae
638.R65 Rosauridae
638.R68 Saccopharyngidae
638.S15 Salangidae
638.S18 Salmonidae (Salmon; trout; whitefishes)
638.S2 Scaridae (Parrotfishes)
638.S3 Scatophagidae (Scats)
638.S32 Schilbeidae
638.S334

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z -- Continued

- 638.S335 Schindleriidae
- 638.S34 Sciaenidae (Drums)
- 638.S347 Scomberesocidae (Sauries)
- 638.S35 Scombridae (Tuna; mackerel)
- 638.S374 Scopelarchidae (Pearleyes)
- Scopelosauridae see QL638.N5873
- 638.S38 Scophthalmidae
- 638.S42 Scorpaenidae (Scorpionfishes)
- 638.S45 Scytalinidae (Graveldivers)
- (638.S47) Searsidae (Tubeshoulders)
- see QL638.P63
- 638.S48 Serranidae (Sea basses)
- (638.S483) Serrasalminidae
- see QL638.C5
- 638.S485 Serrivomeridae
- 638.S5 Siganidae
- 638.S54 Sillaginidae
- 638.S6 Siluridae (Old World catfishes)
- 638.S64 Simenchelyidae
- 638.S68 Sisoridae
- 638.S7 Soleidae (Soles)
- 638.S73 Solenostomidae
- 638.S74 Sparidae (Porgies)
- 638.S77 Sphyraenidae (Barracudas)
- 638.S785 Stephanoberycidae
- 638.S8 Sternoptychidae
- 638.S83 Sternopygidae (Glass knifefishes)
- 638.S84 Stichaeidae (Pricklebacks)
- 638.S86 Stomiatidae
- 638.S87 Stromateidae (Butterfishes)
- 638.S88 Stylephoridae (Tube-eyes)
- Synancejidae see QL638.S42
- Synphobranchidae
- Synbranchidae
- 638.S9 Syngnathidae (Pipefishes; seahorses)
- 638.S96 Synodontidae (Lizardfishes)
- 638.T27 Teraponidae
- Tetragonopteridae see QL638.C5
- 638.T3 Tetragonuridae
- 638.T32 Tetraodontidae (Puffers)
- Theraponidae see QL638.T27
- Thunnidae see QL638.S35
- 638.T55 Todaridae

Chordates. Vertebrates
Fishes

Systematic divisions
Osteichthys (Bony fishes). By family, A-Z -- Continued

- 638.T6 Toxotidae
- 638.T68 Trachichthyidae
- 638.T685 Trachinidae
- 638.T69 Trachipteridae (Ribbonfishes)
- 638.T695 Triacanthidae (Spikefishes)
- 638.T7 Trichiuridae (Cutlassfishes)
- 638.T73 Trichodontidae (Sandfishes)
- 638.T76 Trichomycteridae
- 638.T78 Trichonotidae
- 638.T8 Triglidae (Searobins)
- 638.T85 Triodontidae
- 638.T87 Tripterygiidae
- 638.T95 Trypauchenidae
- 638.U5 Umbridae (Mudminnows)
- 638.U7 Uranoscopidae (Stargazers)
- 638.V4 Veliferidae
- 638.X4 Xenocephalidae
- 638.X45 Xenocongridae (False morays)
- 638.X5 Xiphiidae (Swordfishes)
- 638.Z28 Zancidae (Moorish idol)
- 638.Z3 Zaniolepididae
- 638.Z36 Zaproridae (Prowfishes)
- 638.Z4 Zeidae (Dories)
- 638.Z6 Zoarcidae (Eelpouts)

Agnatha (Jawless fishes)

- 638.12 General works
- Myxini
- Myxiniformes (Hagfishes)
- 638.14 General works
- 638.15.A-Z By family, A-Z
- (638.15.B35) Bdellostomatidae
- see QL638.15.M9
- 638.15.M9 Myxinidae
- (638.15.P37) Paramyxinidae
- see QL638.15.M9
- Cephalaspidomorphi
- 638.18 General works
- Petromyzontiformes (Lampreys)
- 638.2 General works
- 638.25.A-Z By family, A-Z
- 638.25.G45 Geotriidae
- 638.25.P48 Petromyzontidae

QL

Chordates. Vertebrates

Fishes

Systematic divisions -- Continued

638.3

Dipnoid fishes

Class here general works only

For specific fishes see QL637.9+

638.5

Ganoid fishes

Class here general works only

For specific fishes see QL637.9+

Chondrichthyes (Cartilaginous fishes)

638.6

General works

Chimaeriformes

638.7

General works

638.75.A-Z

By family, A-Z

638.75.C4

Chimaeridae (Chimaeras)

Pristiformes (Sawfishes)

638.77

General works

638.78.A-Z

By family, A-Z

638.78.P75

Pristidae

Rajiformes (Rays)

638.8

General works

638.85.A-Z

By family, A-Z

638.85.A5

Anacanthobatidae

638.85.A7

Arhynchobatidae

638.85.D3

Dasyatidae (Stingrays)

638.85.G9

Gymnuridae

638.85.H48

Hexatrygonidae (Sixgill stingrays)

638.85.M6

Mobulidae (Manta rays)

638.85.M9

Myliobatidae (Eagle rays)

638.85.P6

Potamotrygonidae (Freshwater stingrays)

(638.85.P7)

Pristidae (Sawfishes)

see QL638.78.P75

638.85.R3

Rajidae (Skates)

638.85.R4

Rhinobatidae (Guitarfishes)

Rhinopteridae see QL638.85.M9

638.85.R48

Rhynchobatidae

(638.85.T6)

Torpedinidae

see QL638.875.T6

Urolophidae see QL638.85.D3

Torpediniformes (Electric rays)

638.87

General works

638.875.A-Z

By family, A-Z

638.875.T6

Torpedinidae (Torpedo electric rays)

Sharks

638.9

General works

638.93

Shark attacks. Shark repellents

Systematic divisions

Chordates. Vertebrates

Fishes

Systematic divisions

Chondrichthyes (Cartilaginous fishes)

Sharks

Systematic divisions -- Continued

638.94.A-Z	By order, A-Z
	Class species, genera, and families in QL638.95
	Class single-family orders with the family in QL638.95
638.94.C37	Carcharhiniformes (Ground sharks)
	Heterodontiformes see QL638.95.H4
638.94.H49	Hexanchiformes
638.94.L36	Lamniformes
638.94.O74	Orectolobiformes (Carpet sharks)
	Pristiophoriformes see QL638.95.P7
638.94.S75	Squaliformes
	Squatiniformes see QL638.95.S88
638.95.A-Z	By family, A-Z
638.95.A4	Alopiidae (Thresher sharks)
638.95.C3	Carcharhinidae (Requiem sharks)
	Carchariidae see QL638.95.O3
638.95.C37	Cetorhinidae (Basking shark)
638.95.C4	Chlamydoselachidae (Frill shark)
638.95.D3	Dalatiidae (Kitefin sharks; sleeper sharks)
	Echniorhinidae see QL638.95.S84
638.95.G55	Ginglymostomatidae (Nurse sharks)
638.95.H4	Heterodontidae (Bullhead sharks)
638.95.H48	Hexanchidae (Cow sharks)
	Isuridae see QL638.95.L3
638.95.L3	Lamnidae (Mackerel sharks)
638.95.M44	Megachasmidae (Megamouth shark)
638.95.M58	Mitsukurinidae (Goblin shark)
638.95.O3	Odontaspidae (Sand tigers)
638.95.O7	Orectolobidae (Wobbegongs)
638.95.P7	Pristiophoridae (Saw sharks)
638.95.P8	Pseudotriakidae (False cat shark)
638.95.R4	Rhincodontidae (Whale shark)
638.95.S3	Scapanorhynchidae
638.95.S38	Scyliorhinidae (Cat sharks)
	Somniosidae see QL638.95.D3
638.95.S7	Sphyrnidae (Hammerhead sharks)
638.95.S84	Squalidae (Dogfish sharks)
638.95.S88	Squatinidae (Angel sharks)
638.95.S92	Stegostomatidae (Zebra shark)
638.95.T75	Triakidae (Houndsharks)
638.97	Immunology

Chordates. Vertebrates

Fishes -- Continued

- 638.99 Genetics
- 639 Anatomy and morphology
- 639.1 Physiology
 - Including electrophysiology and electric fishes
 - For effects of pollution, disease, etc. see SH171+
- 639.15 Age determination. Age/growth calculations. Length/weight relationships
 - For particular groups or species see QL637.9+
- 639.16 Racial analysis
- 639.2 Reproduction and spawning
 - Cf. SH155.6 Artificial spawning
 - Cf. SH155.7 Induced spawning
- 639.25 Development. Eggs and larvae
- 639.3 Behavior
- 639.4 Locomotion
- 639.5 Migration. Diadromy
 - Cf. SH156.8 Fish tagging
- 639.6 Vertical distribution
 - Including diel vertical migration
- 639.8 Ecology
 - Parasites see SH175
- Reptiles and amphibians
- 640 Periodicals, societies, congresses, serial publications
- 640.5 Collected works (nonserial)
- 640.7 Dictionaries and encyclopedias
- 641 General works, treatises, and textbooks
- 643 Pictorial works and atlases
- 644 Popular works
- 644.2 Juvenile works
- Rare and endangered species
- 644.7 General works
- 644.73.A-Z By region or country, A-Z
- Extinct reptiles and/or amphibians
- 644.8 General works
- 644.83.A-Z By region or country, A-Z
- 645 Classification. Nomenclature
- 645.2 Catalogs and collections
- Evolution
- 645.3 General works
- 645.4 Speciation
- 645.5 Variation
- Study and teaching. Research
 - Including census taking, banding, marking, tagging, etc., and general works on amphibian and reptile watching and viewing sites

	Chordates. Vertebrates
	Reptiles and amphibians
	Study and teaching. Research -- Continued
645.6	General works
645.63.A-Z	By region or country, A-Z
645.65	Collection and preservation
645.7	Dangerous reptiles
	Geographical distribution
	Class here works on the reptiles and/or amphibians of a specific region
	For geographical distribution of systematic divisions see QL666.A+
648	General works
	North America
651	General works
	United States
652	General works
653.A-Z	By region or state, A-Z
	Canada
654	General works
654.2.A-Z	By region, province, or territory, A-Z
	Latin America
654.5	General works
655	Mexico
	Including Yucatán Peninsula
656	Central America (Table Q3)
656.5	West Indies (Table Q3)
657	South America (Table Q3)
658	Europe (Table Q3)
661	Asia (Table Q3)
662	Africa (Table Q3)
663	Australia
663.5	New Zealand
664	Pacific islands (Table Q3)
664.2	Arctic regions
664.4	Antarctica
664.6	Tropics
	Systematic divisions
	Reptiles
665	General works, treatises, and textbooks
	Juvenile works see QL644.2
	Physiographic divisions
	Aquatic reptiles. Water reptiles
665.3	General works
665.5	Marine reptiles. Sea reptiles
	Geographical distribution see QL648+
666.A-Z	By order and family, A-Z

QL

Chordates. Vertebrates

Reptiles and amphibians

Systematic divisions

Reptiles

By order and family, A-Z -- Continued

Amphisbaenia see QL666.L192+

Chelonia (Testudinata; turtles)

666.C5

General works

666.C52

Carettochelyidae (Pitted-shell turtles)

666.C535

Chelidae

666.C536

Cheloniidae

666.C539

Chelydridae

666.C54

Dermatemydidae

666.C546

Dermochelyidae (Leatherback turtle)

666.C547

Emydidae (Box turtles)

666.C55

Kinosternidae

666.C57

Pelomedusidae

666.C584

Testudinidae (Tortoises)

666.C587

Trionychidae (Softshell turtles)

Crocodylia (Crocodilians)

666.C9

General works

666.C925

Crocodylidae (Alligators; crocodiles; caimans;
gavial)

(666.C94)

Gavialidae

see QL666.C925

Squamata

666.L19

General works

Amphisbaenia

666.L192

General works

666.L193

Amphisbaenidae

666.L194

Bipedidae

Lacertilia (Sauria; lizards)

666.L2

General works

666.L223

Agamidae

Amphisbaenidae see QL666.L192+

666.L225

Anelytropsidae

666.L2254

Anguidae (Glass lizards)

666.L2256

Anniellidae

666.L23

Chamaeleontidae (Chameleons)

666.L234

Cordylidae (Girdle-tailed lizards)

666.L236

Corytophanidae

666.L237

Crotaphytidae

666.L238

Dibamidae

666.L24

Eublepharidae

666.L243

Feylinidae

666.L245

Gekkonidae (Geckos)

666.L247

Helodermatidae (Gila monsters)

Chordates. Vertebrates
Reptiles and amphibians
Systematic divisions
Reptiles
By order and family, A-Z
Squamata

Lacertilia (Sauria; lizards) -- Continued

666.L248	Hoplocercidae
666.L25	Iguanidae
666.L255	Lacertidae
666.L2556	Lanthanotidae
666.L265	Opluridae
666.L267	Phrynosomatidae
666.L268	Polychrotidae
666.L27	Pygopodidae
666.L28	Scincidae (Skinks)
	Sphaerodactylidae see QL666.L245
666.L285	Teiidae
666.L287	Tropiduridae
666.L29	Varanidae (Monitor lizards)
666.L293	Xantusiidae
666.L295	Xenosauridae
	Serpentes (Ophidia; snakes)
666.O6	General works
666.O62	Acrochordidae (Wart snakes; file snakes)
666.O625	Aniliidae (False coral snakes; coral pipe snakes)
666.O626	Anomalepididae (Primitive blind snakes; dawn blind snakes)
666.O6265	Anomochilidae (Dwarf pipe snakes)
666.O627	Atractaspididae (Mole vipers)
666.O63	Boidae (Boas)
666.O633	Bolyeriidae (Round Island boas)
666.O636	Colubridae
	Crotalidae see QL666.O69
666.O638	Cylindrophiiidae (Asian pipe snakes)
666.O64	Elapidae (Cobras; coral snakes; sea snakes)
(666.O645)	Hydrophiidae see QL666.O64
666.O65	Leptotyphlopidae (Slender blind snakes)
666.O66	Loxocemidae (Mexican burrowing pythons)
666.O67	Pythonidae
666.O68	Tropidophiidae (Dwarf boas)
666.O685	Typhlopidae (Blind snakes)
666.O688	Uropeltidae (Shield-tailed snakes)
666.O69	Viperidae (Vipers and pit vipers)
666.O694	Xenopeltidae (Sunbeam snakes)
	Rhynchocephalia

QL

Chordates. Vertebrates

Reptiles and amphibians

Systematic divisions

Reptiles

By order and family, A-Z

Rhynchocephalia -- Continued

666.R4

General works

666.R48

Sphenodontidae (Tuatara)

Squamata see QL666.L19+

Amphibians

667

General works, treatises, and textbooks

Juvenile works see QL644.2

Geographical distribution see QL648+

668.A-Z

By order and family, A-Z

Gymnophiona (Apoda; caecilians)

668.A6

General works

668.A63

Caeciliidae

668.A65

Ichthyophiidae

668.A67

Rhinatrematidae

668.A68

Scolecomorphidae

668.A69

Uraeotyphlidae

Caudata (Urodela; salamanders; newts)

668.C2

General works

668.C23

Ambystomatidae (Mole salamanders)

668.C237

Amphiumidae

668.C24

Cryptobranchidae (Giant salamanders)

668.C243

Dicamptodontidae

668.C25

Hynobiidae

668.C274

Plethodontidae (Lungless salamanders)

668.C277

Proteidae

668.C278

Rhyacotritonidae

668.C28

Salamandridae (Newts)

668.C285

Sirenidae

Ecaudata (Anura; Salientia; frogs; toads)

668.E2

General works

668.E217

Ascaphidae (Tailed frogs)

668.E22

Atelopodidae

668.E224

Bombinatoridae

668.E225

Brevicipitidae

668.E227

Bufonidae (Toads)

668.E23

Centrolenidae (Glass frogs)

668.E233

Dendrobatidae

668.E235

Discoglossidae

668.E24

Hylidae (Tree frogs)

668.E244

Hyperoliidae

668.E255

Leiopelmatidae

668.E257

Leptodactylidae (Robber frogs)

Chordates. Vertebrates

Reptiles and amphibians

Systematic divisions

Amphibians

By order and family, A-Z

Ecaudata (Anura; Salientia; frogs; toads) -- Continued

- 668.E259 Mantellidae
- 668.E26 Microhylidae (Narrow-mouthed toads)
- 668.E2615 Myobatrachidae
- 668.E262 Pelobatidae (Eurasian spadefoot toads)
- 668.E2626 Pelodyadidae
- 668.E263 Pelodytidae
- 668.E264 Phrynomeridae
- 668.E265 Pipidae
- 668.E268 Pseudidae
- 668.E27 Ranidae (Frogs)
- 668.E274 Rhacophoridae
- 668.E275 Rhinophrynidae
- 668.E33 Scaphiopodidae (North American spadefoot toads)
- 668.5 Genetics
- 669 Anatomy and morphology
- 669.2 Physiology
- 669.25 Age determination. Life spans. Longevity
- 669.3 Reproduction
- 669.5 Behavior
- 669.8 Ecology

Birds

- 671 Periodicals, societies, congresses, serial publications
- 672 Collected works (nonserial)
- 672.2 Dictionaries and encyclopedias
- Communication of ornithological information
- 672.5 Ornithological literature
- 672.6 Language. Authorship
- History
- 672.7 General works
- 672.73.A-Z By region or country, A-Z
- 673 General works, treatises, and textbooks
- 674 Pictorial works and atlases
- 674.4 Ornithological illustration
- 675 Birds' eggs and nests
- 676 Popular works
- 676.2 Juvenile works
- Bird protection. Bird refuges. Important bird areas. Bird attracting
 - Including birdhouses, bird feeders, birdcall whistles, and gardening to attract birds
 - Cf. SK351+ Wildlife management. Game protection

Chordates. Vertebrates

Birds

Bird protection. Bird refuges. Important bird areas. Bird attracting -- Continued

676.5

General works

By region or country

United States

676.55

General works

676.56.A-Z

By region or state, A-Z

676.57.A-Z

Other regions or countries, A-Z

676.7

Rare and endangered species

For local see QL676.55+

676.8

Extinct birds

677

Classification. Nomenclature

677.2

Catalogs and collections

677.3

Evolution

677.4

Population dynamics

677.5

Study and teaching. Research

Including census taking, bird banding, and general works on bird watching and birding sites

677.7

Collection and preservation

677.75

Dangerous birds

677.78

Birds of prey. Raptors

Cf. QL696.F3+ Falconiformes

Cf. QL696.S8+ Strigiformes

677.79.A-Z

Other types of birds, A-Z

677.79.C38

Cavity-nesting birds

677.79.E85

Exotic birds

677.79.F55

Flightless birds

677.79.F67

Forest birds

Game birds

see SF508+ Animal culture; SK311+ Hunting

677.79.I58

Introduced birds

677.79.N63

Nocturnal birds

Ornamental birds see SF512+

677.79.P37

Parasitic birds

677.79.P57

Piscivorous birds

Talking birds see SF462.8

Water birds see QL678.5+

677.8

Aviaries. Bird exhibitions

Geographical distribution

For geographical distribution of systematic divisions

see QL696.A+

678

General works

Physiographic divisions

For birds of a particular region or country or off the coast of a particular region or country see QL680+

Chordates. Vertebrates

Birds

Geographical distribution

Physiographic divisions -- Continued

Aquatic birds. Water birds

Including shore birds

For waterfowl see SF510.W3 Animal culture; SK331+

Hunting

678.5

General works

Marine birds. Sea birds

678.52

General works

By region

678.55

Atlantic Ocean

678.6

Indian Ocean

678.65

Pacific Ocean

Topographical divisions

679

Zone divisions

e.g. Palaearctic region

America

680

General works

North America and United States

681

General works

United States

682

General works

683.A-Z

By region, A-Z

684.A-.W

By state, A-W

Canada

685

General works

685.5.A-Z

By region or province, A-Z

Latin America

685.7

General works

686

Mexico

687

Central America (Table Q3)

688

West Indies (Table Q3)

689

South America (Table Q3)

690

Europe (Table Q3)

691

Asia (Table Q3)

691.5

Arab countries (General)

692

Africa (Table Q3)

693

Australia

693.5

New Zealand

694

Pacific islands (Table Q3)

694.5

Atlantic islands (Table Q3)

694.7

Indian Ocean islands

695

Arctic regions

695.2

Antarctica

695.5

Tropics

Chordates. Vertebrates

Birds -- Continued

- 696.A-Z Systematic divisions. By order and family, A-Z
- Accipitriformes see QL696.F3+
- Alciformes see QL696.C4+
- Anseriformes
- 696.A5 General works
- 696.A52 Anatidae (Ducks; geese; swans)
- 696.A53 Anhimidae (Screamers)
- Apodiformes
- 696.A55 General works
- 696.A552 Apodidae (Swifts)
- 696.A554 Hemiprocidae (Crested swifts)
- 696.A558 Trochilidae (Hummingbirds)
- Apterygiformes
- 696.A6 General works
- 696.A63 Apterygidae (Kiwis)
- Ardeiformes see QL696.C5+
- Caprimulgiformes
- 696.C2 General works
- 696.C22 Aegothelidae (Owlet frogmouths)
- 696.C23 Caprimulgidae (Goatsuckers)
- 696.C25 Nyctibiidae (Potoos)
- 696.C26 Podargidae (Frogmouths)
- 696.C28 Steatornithidae (Oilbirds)
- Casuariiformes
- 696.C3 General works
- 696.C33 Casuariidae (Cassowaries)
- 696.C34 Dromiceidae (Emus)
- Charadriiformes
- 696.C4 General works
- 696.C42 Alcidae (Auks; auklets; murres)
- 696.C428 Burhinidae (Thick-knees)
- 696.C43 Charadriidae (Plovers; turnstones; surfbirds)
- 696.C435 Chionididae (Sheathbills)
- 696.C44 Dromadidae (Crab plovers)
- 696.C448 Glareolidae (Pratincoles; coursers)
- 696.C452 Haematopodidae (Oystercatchers)
- 696.C457 Jacanidae (Jacanas)
- 696.C46 Laridae (Gulls; terns; skuas; jaegers)
- 696.C465 Pedionomidae
- (696.C47) Phalaropodidae (Phalaropes)
- see QL696.C48
- 696.C473 Recurvirostridae (Avocets; stilts)
- 696.C477 Rostratulidae (Painted snipes)
- 696.C479 Rynchopidae (Skimmers)

Chordates. Vertebrates

Birds

Systematic divisions. By order and family, A-Z

Charadriiformes -- Continued

696.C48 Scolopacidae (Snipes; woodcocks; sandpipers;
phalaropes)

(696.C488) Stercorariidae
see QL696.C46

696.C49 Thinocoridae (Seedsnipes)

Ciconiiformes

696.C5 General works

696.C52 Ardeidae (Herons; bitterns)

696.C525 Balaenicipitidae (Shoebill)

696.C53 Cathartidae (New World vultures)

696.C535 Ciconiidae (Storks; jabirus)

696.C536 Cochleariidae (Boatbilled herons)

696.C56 Phoenicopteridae (Flamingos)

696.C58 Scopidae (Hammerheads)

696.C585 Threskiornithidae (Ibises; spoonbills)

Coccyges see QL696.C8+

Coliiformes

696.C59 General works

696.C593 Coliidae (Colies)

Columbiformes

696.C6 General works

696.C63 Columbidae (Pigeons; doves)

696.C66 Pteroclididae (Sandgrouses)

696.C67 Raphidae (Dodos; solitaires)

Coraciiformes

696.C7 General works

696.C72 Alcedinidae (Kingfishers)

696.C725 Brachypteraciidae (Groundrollers)

696.C729 Bucerotidae (Hornbills)

696.C73 Coraciidae (Rollers)

696.C74 Leptosomatidae (Cuckoo rollers)

696.C754 Meropidae (Bee-eaters)

696.C756 Momotidae (Motmots)

696.C77 Phoeniculidae (Woodhoopoes)

696.C78 Todidae (Todies)

696.C79 Upupidae (Hoopoes)

Cuculiformes

696.C8 General works

696.C83 Cuculidae (Cuckoos; roadrunners; anis)

696.C85 Musophagidae (Plaintain-eaters; touracos)

Cypseliformes see QL696.A55+

Falconiformes

696.F3 General works

Chordates. Vertebrates

Birds

Systematic divisions. By order and family, A-Z

Falconiformes -- Continued

- 696.F32 Accipitridae (Hawks; Old World vultures; harriers)
Including vultures (General)
(696.F33) Cathartidae (New World vultures)
see QL696.C53
696.F34 Falconidae (Falcons; caracaras)
696.F36 Pandionidae (Ospreys)
696.F38 Sagittariidae (Secretarybirds)

Galliformes

- 696.G2 General works
696.G23 Cracidae (Curassows; guans; chachalacas)
696.G25 Megapodiidae (Megapodes)
(696.G254) Meleagrididae (Turkeys)
see QL696.G27
696.G258 Numididae (Guineafowl)
696.G259 Odontophoridae (New World quails)
696.G26 Opisthocomidae (Hoatzins)
696.G27 Phasianidae (Pheasants, Old World quails, grouse,
partridges, peafowls, turkeys)
(696.G285) Tetraonidae (Grouse)
see QL696.G27

Gaviiformes

- 696.G3 General works
696.G33 Gaviidae (Loons)

Gruiformes

- 696.G8 General works
696.G82 Aramidae (Limpkins)
696.G827 Cariamidae (Seriemas)
696.G83 Eurypgidae (Sunbitterns)
696.G84 Gruidae (Cranes)
696.G845 Heliornithidae (Sungrebes)
696.G85 Mesitornithidae (Roatelos)
696.G86 Otididae (Bustards)
Pedionomidae see QL696.C465
696.G874 Psophiidae (Trumpeters)
696.G876 Rallidae (Rails; coots)
696.G878 Rhynochetidae (Kagus)
696.G89 Turnicidae (Bustardquails)

Halcyones see QL696.C72

Lariformes see QL696.C46

Limicolae see QL696.C4+

Meropidae see QL696.C754

Musophagiformes see QL696.C85

Passeriformes

Chordates. Vertebrates

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Systematic divisions. By order and family, A-Z

Passeriformes -- Continued

- 696.P2 General works
- 696.P212 Acanthisittidae (New Zealand wrens)
- 696.P213 Acanthizidae (Australasian warblers)
- 696.P2135 Aegithalidae (Long-tailed tits; bushtits)
- Aegithinidae see QL696.P2344
- 696.P214 Alaudidae (Larks)
- 696.P216 Artamidae (Woodswallows; currawongs; Australian butcherbirds)
- 696.P218 Atrichornithidae (Scrubbirds)
- 696.P22 Bombycillidae (Waxwings)
- 696.P224 Callaeidae (Wattled crows; huias; saddlebacks)
- 696.P225 Campephagidae (Cuckoo shrikes)
- 696.P228 Catamblyrhynchidae (Plushcapped finches)
- 696.P23 Certhiidae (Creepers)
- 696.P234 Chamaeidae (Wrentits)
- 696.P2344 Chloropseidae (Leafbirds)
- 696.P235 Cinclidae (Dippers)
- 696.P2354 Climacteridae (Australasian treecreepers)
- 696.P236 Coerebidae (Honeycreepers)
- 696.P2365 Conopophagidae (Antpipits)
- 696.P2367 Corvidae (Crows; magpies; jays)
- 696.P2368 Cotingidae (Cotingas)
- (696.P237) Cracticidae
- see QL696.P216
- 696.P239 Cyclarhidae (Peppershrikes)
- 696.P24 Dendrocolaptidae (Woodhewers)
- 696.P242 Dicaeidae (Flowerpeckers)
- 696.P2427 Dicruridae (Drongos)
- 696.P243 Drepanididae (Hawaiian honeycreepers)
- 696.P2435 Dulidae (Palmchats)
- 696.P2438 Emberizidae (Buntings; American sparrows; wood warblers)
- 696.P2439 Eopsaltriidae (Australian robins)
- 696.P244 Estrildidae (Waxbills)
- 696.P245 Eurylaimidae (Broadbills)
- 696.P2455 Formicariidae (Ant thrushes)
- 696.P246 Fringillidae (Finches)
- 696.P2464 Furnariidae (Ovenbirds)
- 696.P2468 Grallinidae (Magpie larks)
- 696.P247 Hirundinidae (Swallows)
- 696.P2474 Hyposittidae (Carabilled nuthatches)
- 696.P2475 Icteridae (Blackbirds; troupials)
- Irenidae see QL696.P2585

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Birds

Systematic divisions. By order and family, A-Z

Passeriformes

696.P248	Laniidae (Shrikes)
696.P2485	Maluridae (Australian wrens)
696.P249	Meliphagidae (Honeyeaters)
696.P2495	Menuridae (Lyrebirds)
696.P25	Mimidae (Thrashers; mockingbirds)
696.P252	Motacillidae (Wagtails; pipits)
696.P255	Muscicapidae (Old World flycatchers)
696.P257	Nectariniidae (Sunbirds)
696.P2585	Oriolidae (Old World flycatchers)
696.P259	Oxyruncidae (Sharpbills)
696.P2595	Pachycephalidae
696.P26	Paradisaeidae (Birds of paradise)
696.P2612	Paradoxornithidae (Parrotbills; suthoras)
696.P2615	Paridae (Titmice; chickadees)
(696.P2618)	Parulidae
	see QL696.P2438
696.P262	Passeridae
696.P2625	Philepittidae (Asities; false sunbirds)
696.P2629	Phytotomidae (Plantcutters)
696.P263	Pipridae (Manakins)
696.P2634	Pittidae (Pittas)
696.P264	Ploceidae (Weaverbirds)
696.P265	Prionopidae (Weaverbirds)
696.P266	Prunellidae (Accentors)
696.P267	Ptilogonatidae (Silky flycatchers)
696.P2675	Ptilonorhynchidae (Bowerbirds)
696.P268	Pycnonotidae (Bulbuls)
696.P27	Regulidae (Kinglets)
696.P272	Remizidae
696.P273	Rhinocryptidae (Tapaculos)
696.P275	Sittidae (Nuthatches)
696.P278	Sturnidae (Starlings)
696.P279	Sylviidae (Old World warblers)
696.P28	Tersinidae (Swallow tanagers)
696.P282	Thraupidae (Tanagers)
696.P285	Timaliidae (Babblers)
696.P287	Troglodytidae (Wrens)
696.P288	Turdidae (Thrushes)
696.P289	Tyrannidae (Tyrant flycatchers)
696.P29	Vangidae (Vangas)
696.P294	Vireolaniidae (Shrike vireos)
696.P2945	Vireonidae (Vireos)
696.P296	Zeledoniidae (Wrenthrushes)

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Birds

Systematic divisions. By order and family, A-Z

Passeriformes -- Continued

696.P298 Zosteropidae (White-eyes)

Pelecaniformes

696.P4 General works

696.P42 Anhingidae (Snake-birds)

696.P45 Fregatidae (Frigate birds)

696.P47 Pelecanidae (Pelicans)

696.P474 Phaethontidae (Tropicbirds)

696.P4745 Phalacrocoracidae (Cormorants)

696.P48 Sulidae (Boobies; gannets)

Phoenicopteriformes see QL696.C56

Piciformes

696.P5 General works

696.P52 Bucconidae (Puffbirds)

696.P53 Capitonidae (Barbets)

696.P54 Galbulidae (Jacamars)

696.P55 Indicatoridae (Honeyguides)

696.P56 Picidae (Woodpeckers)

696.P57 Ramphastidae (Toucans)

Podicipediformes

696.P58 General works

696.P586 Podicipedidae (Grebes)

Procellariiformes

696.P6 General works

696.P63 Diomedidae (Albatrosses)

696.P64 Hydrobatidae (Storm petrels)

696.P66 Pelecanoididae (Diving petrels)

696.P665 Procellariidae (Shearwaters; fulmars)

696.P7

Psittaciformes (Parrots)

Puffinidae see QL696.P665

Pygopodes see QL696.P586

Pygopodes (Gaviidae) see QL696.G33

Rhamphastidae see QL696.P57

Rheiformes

696.R37 General works

696.R4 Rheidae (Rheas)

Scansores

see QL671+

Sphenisciformes

696.S47 General works

696.S473 Spheniscidae (Penguins)

Steganopodes see QL696.P4+

Strigiformes

696.S8 General works

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Systematic divisions. By order and family, A-Z

Strigiformes -- Continued

696.S83

Strigidae (Owls)

696.S85

Tytonidae (Barn owls)

Struthioniformes

696.S87

General works

696.S9

Struthionidae (Ostriches)

Tinamiformes

696.T37

General works

696.T4

Tinamidae (Tinamous)

Trochili see QL696.A558

Trogoniformes

696.T67

General works

696.T7

Trogonidae (Trogons)

696.5

Genetics

Anatomy and morphology

697

General works

697.4

Feathers. Plumage

698

Physiology

698.2

Reproduction

698.3

Behavior

Including social life and instinct

Eggs and nests see QL675

Bird banding see QL677.5

698.4

Food

698.5

Song. Vocalization

698.7

Flight

698.8

Navigation

698.85

Orientation

698.9

Migration

698.95

Ecology

699

Miscellany and curiosa

For birds of the Bible see BS664

Mammals

700

Periodicals, societies, congresses, serial publications

701

Collected works (nonserial)

701.2

Dictionaries and encyclopedias

703

General works, treatises, and textbooks

704

Compend

705

Pictorial works and atlases

706

Popular works

For popular works on domestic animals see SF41

706.2

Juvenile works

706.4

Study and teaching. Research

706.5.A-Z

Special topics, A-Z

	Chordates. Vertebrates
	Mammals
	Special topics, A-Z -- Continued
706.5.D38	Data processing
	Rare and endangered species
706.8	General works
706.83.A-Z	By region or country, A-Z
707	Extinct mammals
708	Classification. Nomenclature
708.2	Catalogs and collections
708.4	Collection and preservation
708.5	Evolution. Speciation
708.6	Population dynamics
	Geographical distribution
	For geographical distribution of systematic divisions
	see QL737.A+
708.7	General works
	Physiographic divisions
	Aquatic
713	General works
	Marine
713.2	General works
	By region
	For marine mammals of a particular region or
	country or off the coast of a particular region
	or country see QL715+
	Atlantic Ocean
713.25	General works
713.28	North Atlantic Ocean
713.35	Pacific Ocean
	Topographical divisions
	North America
715	General works
	United States
717	General works
719.A-Z	By region or state, A-Z
	Canada
721	General works
721.5.A-Z	By region or province, A-Z
	Latin America
721.8	General works
722	Mexico
723	Central America (Table Q3)
724	West Indies (Table Q3)
725	South America (Table Q3)
	Europe
726	General works

QL

Chordates. Vertebrates

Mammals

Geographical distribution

Topographical divisions

Europe -- Continued

727

Great Britain

728.A-Z

Other regions or countries, A-Z

729

Asia (Table Q3)

731

Africa (Table Q3)

Australasia

732.8

General works

733

Australia

734

New Zealand

735

Pacific islands (Table Q3)

736

Arctic regions. Greenland

736.2

Antarctica

736.5

Tropics

737.A-Z

Systematic divisions. By order and family, A-Z

Afrosoricida. Tenrecomorpha

737.A35

General works

737.A352

Chrysochloridae (Golden moles)

737.A357

Tenrecidae (Tenrecs)

Carnivora

737.C2

General works

737.C214

Ailuridae (Red panda)

737.C22

Canidae (Dogs)

For domestic dogs see SF421+

737.C23

Felidae (Cats)

For domestic cats see SF441+

737.C235

Herpestidae (Mongooses)

737.C24

Hyaenidae (Hyenas)

737.C248

Mephitidae (Skunks)

737.C25

Mustelidae (Weasels; badgers; otters)

737.C26

Procyonidae (Raccoons)

737.C27

Ursidae (Bears; giant panda)

737.C28

Viverridae (Civets, etc.)

Cetacea

737.C4

General works

Mysticeti (Baleen whales)

737.C42

General works

737.C423

Balaenidae (Right whales)

737.C424

Balaenopteridae (Rorquals)

737.C425

Eschrichtiidae (Gray whales)

737.C427

Neobalaenidae

Odontoceti (Toothed whales)

737.C43

General works

737.C432

Delphinidae (Dolphins)

Chordates. Vertebrates

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Systematic divisions. By order and family, A-Z

Cetacea

Odontoceti (Toothed whales) -- Continued

Iniidae see QL737.C436

Lipotidae see QL737.C436

737.C433

Monodontidae (Narwhal; white whale)

737.C434

Phocoenidae (Porpoises)

737.C435

Physeteridae (Sperm whales)

737.C436

Platanistidae (River dolphins)

Pontoporiidae see QL737.C436

Stenidae see QL737.C432

737.C438

Ziphiidae (Beaked whales)

Chiroptera

737.C5

General works

737.C52

Desmodontidae (Vampires)

737.C525

Emballonuridae (Sac-winged bats)

737.C53

Furipteridae (Smoky bats)

737.C533

Hipposideridae (Old World leaf-nosed bats)

737.C535

Megadermatidae (False vampires)

737.C54

Molossidae (Free-tailed bats)

737.C543

Mormoopidae

737.C545

Mystacinidae (New Zealand short-tailed bats)

737.C55

Myzopodidae (Old World sucker-footed bats)

737.C555

Natalidae (Funnel-eared bats)

737.C56

Noctilionidae (Fisherman bats)

737.C565

Nycteridae (Slit-faced bats)

737.C57

Phyllostomidae (American leaf-nosed bats)

737.C575

Pteropodidae (Old World fruit bats)

737.C58

Rhinolophidae (Horseshoe bats)

737.C585

Rhinopomatidae (Mouse-tailed bats)

737.C59

Thyropteridae (Disk-winged bats)

737.C595

Vespertilionidae

Dermoptera

737.D35

General works

737.D4

Cynocephalidae (Flying lemurs)

Edentata. Xenarthra

737.E2

General works

737.E22

Bradypodidae (Three-toed tree sloths)

737.E23

Dasypodidae (Armadillos)

737.E238

Megalonychidae (Two-toed tree sloths)

737.E24

Myrmecophagidae (Anteaters)

Erinaceomorpha

737.E75

General works

737.E753

Erinaceidae (Hedgehogs)

Hyracoidea

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Systematic divisions. By order and family, A-Z

Hyracoidea -- Continued

737.H85

General works

737.H9

Procaviidae (Hyraxes)

Insectivora. Insectivores

737.I5

General works

(737.I52)

Chrysochloridae

see QL737.A352

(737.I53)

Erinaceidae

see QL737.E753

(737.I54)

Macroscelididae (Elephant shrews)

see QL737.M242

(737.I545)

Potamogalidae

QL737.S73

(737.I55)

Solenodontidae

see QL737.S74

(737.I56)

Soricidae

see QL737. S75

(737.I57)

Talpidae

see QL737.S76

(737.I58)

Tenrecidae

see QL737.A357

Lagomorpha

737.L3

General works

737.L32

Leporidae (Rabbits; hares)

737.L33

Ochotonidae (Pikas)

Macroscelidea

737.M24

General works

737.M242

Macroscelididae (Elephant shrews)

Marsupialia. Marsupials

737.M3

General works

Dasyuromorphia

737.M325

General works

737.M33

Dasyuridae (Marsupial mice, Marsupial cats)

737.M335

Myrmecobiidae (Numbat)

737.M336

Thylacinidae (Thylacine)

Didelphimorphia

737.M337

General works

737.M34

Didelphidae (American opossums)

Diprotodontia

737.M345

General works

737.M346

Acrobatidae

737.M347

Burramyidae (Pygmy possums)

737.M35

Macropodidae (Kangaroos, wallabies)

737.M373

Petauridae

Chordates. Vertebrates

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Systematic divisions. By order and family, A-Z

Marsupialia

Diprotodontia -- Continued

- 737.M38 Phalangeridae (Phalangers)
- 737.M384 Phascolarctidae (Koalas)
- 737.M386 Potoroidae (Bettongs, potoroos, rat-kangaroos)
- 737.M387 Pseudocheiridae
- 737.M3875 Tarsipedidae
- 737.M39 Vombatidae (Wombats)

Microbiotheria

- 737.M43 General works
- 737.M435 Microbiotheriidae

Notoryctemorphia

- 737.M44 General works
- 737.M445 Notoryctidae (Marsupial moles)

Paucituberculata

- 737.M46 General works
- 737.M463 Caenolestidae (Rat opossums)

Peramelemorphia (Bandicoots)

- 737.M47 General works
- 737.M475 Peramelidae
- (737.M476) Peroryctidae
- see QL737.M475

- 737.M478 Thylacomyidae (Bilbies)

Monotremata

- 737.M7 General works
- 737.M72 Ornithorhynchidae (Platypus)
- 737.M73 Tachyglossidae (Echidnas)

Pholidota

- 737.P4 General works
- 737.P5 Manidae (Pangolins)

Pinnipedia

- 737.P6 General works
- 737.P62 Odobenidae (Walrus)
- 737.P63 Otariidae (Eared seals)
- 737.P64 Phocidae (Seals)

Primates

- 737.P9 General works
- 737.P915 Atelidae (Howler monkeys; muriquis; spider monkeys, woolly monkeys)
- (737.P917) Callimiconidae
- see QL737.P925
- (737.P92) Callitrichidae
- see QL737.P925

Chordates. Vertebrates

Mammals

Systematic divisions. By order and family, A-Z

Primates -- Continued

- 737.P925 Cebidae (Marmosets; tamarins; squirrel monkeys,
 capuchin monkeys)
- 737.P93 Cercopithecidae (Old World monkeys)
- 737.P933 Cheirogaleidae
- 737.P935 Daubentoniidae (Aye-ayes)
- 737.P937 Galagonidae (Galagos)
- (737.P94) Hominidae
 see GN51+
- 737.P945 Indridae
- 737.P95 Lemuridae (Large lemurs)
- 737.P955 Lorisidae (Lorises; pottos)
- 737.P957 Nyctipithecidae (Night monkeys)
- 737.P959 Pitheciidae (Sakis; titis; uakaris)
- 737.P96 Pongidae (Apes)
- 737.P965 Tarsiidae (Tarsiers)
- (737.P968) Tupaïidae (Tree shrews)
 see QL737.S254

Proboscidea

- 737.P97 General works
- 737.P98 Elephantidae (Elephants)

Rodentia

- 737.R6 General works
- 737.R62 Abrocomidae
- 737.R623 Agoutidae (Pacas)
- 737.R624 Anomaluridae (Scaly-tailed squirrels)
- 737.R626 Aplodontidae (Mountain beavers)
- 737.R628 Bathyergidae (African mole rats)
- 737.R63 Capromyidae (Hutias)
- 737.R632 Castoridae (Beavers)
- 737.R634 Caviidae (Cavies)
- 737.R636 Chinchillidae (Chinchillas)
- (737.R638) Cricetidae (New World rats and mice)
 see QL737.R666
- 737.R64 Ctenodactylidae (Gundis)
- 737.R642 Ctenomyidae (Tucu-tucos)
- 737.R644 Dasyproctidae (Agoutis; acouchis)
- 737.R646 Dinomyidae (Pacaranas)
- 737.R648 Dipodidae (Jerboas; birch mice; jumping mice)
- 737.R65 Echimyidae (Spiny rats)
- 737.R652 Erethizontidae (New World porcupines)
- 737.R654 Geomyidae (Pocket gophers)
- 737.R656 Gliridae (Dormice)
- 737.R66 Heteromyidae (Pocket mice; kangaroo rats)

Chordates. Vertebrates

Mammals

Systematic divisions. By order and family, A-Z

Rodentia -- Continued

- 737.R662 Hydrochaeridae (Capybara)
- 737.R664 Hystricidae (Old World porcupine)
- 737.R666 Muridae (Mice; rats; voles; lemmings; gerbils; hamsters)
- 737.R668 Myocastoridae (Coypu; nutria)
- 737.R67 Octodontidae
- 737.R672 Pedetidae (Springhares)
- 737.R674 Petromuridae
- (737.R676) Platacanthomyidae
see QL737.R666
- (737.R678) Rhizomyidae
see QL737.R666
- 737.R68 Sciuridae (Squirrels)
- 737.R682 Seleviniidae (Desert dormice)
- 737.R684 Spalacidae
see QL737.R666
- 737.R686 Thryonomyidae (Cane rats)
- (737.R688) Zapodidae
see QL737.R648

Scandentia

- 737.S25 General works
- 737.S254 Tupaiidae (Tree shrews)

Sirenia

- 737.S6 General works
- 737.S62 Dugongidae (Dugongs)
- 737.S63 Trichechidae (Manatees)

Soricomorpha

- 737.S7 General works
- 737.S73 Potamogalidae (Water shrews)
- 737.S74 Solenodontidae (Solenodons)
- 737.S75 Soricidae (Shrews)
- 737.S76 Talpidae (Moles)

Tubulidentata

- 737.T75 General works
- 737.T8 Orycteropodidae (Aardvarks)

Ungulata

- 737.U4 General works
- Artiodactyla (Even-toed ungulates)
- 737.U5 General works
- 737.U52 Antilocapridae (Pronghorn)
- 737.U53 Bovidae
For domestic cattle, sheep, and goats see SF1+
- 737.U54 Camelidae (Camels)

Chordates. Vertebrates

Mammals

Systematic divisions. By order and family, A-Z

Ungulata

Artiodactyla (Even-toed ungulates) -- Continued

737.U55

Cervidae (Deer)

737.U56

Giraffidae

737.U57

Hippopotamidae (Hippopotami)

737.U575

Moschidae (Musk deer)

737.U58

Suidae (Old World pigs)

For domestic swine see SF391+

737.U59

Tayassuidae (Peccaries)

737.U595

Tragulidae (Chevrotains)

Perissodactyla (Odd-toed ungulates)

737.U6

General works

737.U62

Equidae (Horses)

For domestic horses see SF277+

737.U63

Rhinocerotidae (Rhinoceroses)

737.U64

Tapiridae (Tapirs)

Xenarthra see QL737.E2+

738

Miscellany and curiosa

738.5

Genetics

739

Anatomy and morphology

For anatomy of domestic animals see SF761+

Cf. QL801+ Comparative anatomy

739.15

Cytology

Physiology

For physiology of domestic animals see SF768+

Cf. QP1+ Animal physiology

739.2

General works

739.23

Reproduction

739.25

Age determination

Behavior

739.3

General works

739.5

Migration

739.8

Ecology

Animal behavior

Class here general works on animal behavior and general works
on particular types of animal behaviorFor works on the behavior of special groups or individual animals,
see QL360+For comparative psychology and behavior of animals and
humans see BF660+For works on the behavior of special groups of domestic
animals or individual domestic animals see SF756.7

750

Periodicals, societies, congresses, serial publications

750.3

Dictionaries and encyclopedias

- Animal behavior -- Continued
- 750.5 History
- 751 General works, treatises, and textbooks
Cf. QH540+ General and animal ecology
Cf. SF1+ Animal culture
- 751.5 Juvenile works
- 751.6 Addresses, essays, lectures
- 751.65.A-Z Special aspects of the subject as a whole, A-Z
- 751.65.D37 Data processing
- 751.65.M3 Mathematical models
- 751.65.M32 Mathematics
- 751.65.S55 Simulation methods
- 751.65.S73 Statistical methods
- 751.7 Laboratory manuals
- Special topics
- Behavioral endocrinology. Endocrine aspects of animal behavior see QP356.45
- 752 Animal populations
For population studies of a particular group of animals, see systematic sections
Cf. QL607.6 Vertebrate population dynamics
Cf. QL618.3 Fish population dynamics
Cf. QL677.4 Bird population dynamics
- Periodicity. Seasonal habits
- 753 General works
- 754 Migration
Cf. QL496.2 Migration of insects
Cf. QL639.5 Migration of fishes
Cf. QL698.9 Migration of birds
Cf. QL739.3 Migration of mammals
- 755 Hibernation
- Sleep behavior
- 755.3 General works
- 755.5 Nocturnal animals
- Habitations
- 756 General works
- 756.15 Burrowing. Burrowing animals
- 756.2 Territoriality
- Food
- 756.5 General works
- 756.55 Bloodsucking animals
- 756.56 Browsing
- 756.57 Cannibalism
- 756.6 Health behavior. Medicinal use
- 756.7 Drug use
- 756.8 Symbiosis

Animal behavior

Special topics -- Continued

- 757 Parasitology
Cf. QL392.A1+ Helminthology
Cf. QL496.12 Parasitic insects and parasitoids
Cf. RC119+ Parasitic diseases of man
Cf. SF810.A3+ Parasitic diseases of animals
- 758 Predation. Predatory animals
Cf. SF810.5+ Predator control
- 758.5 Aggression. Agonistic behavior
Cf. QL100.5 Animal attacks
- 758.7 Reconciliation
- 759 Defense mechanisms
- 760 Grooming behavior
- 761 Sexual behavior
- 761.5 Familial behavior. Kin recognition
- 762 Parental behavior
- 762.5 Infanticide
- Developmental behavior
- 763 General works
- 763.2 Critical periods. Imprinting
- 763.5 Play behavior
- 765 Sound production. Vocalization
Cf. QL496.5 Insect sounds
- 767 Color
- 768 Animal tracks and signs
Including droppings
Cf. SK282 Tracking
- 775 Social relations. Animal societies
Cf. QL364.5 Coloniality
- 775.5 Altruistic behavior
- 776 Communication
- 780 Eliminative behavior
- 781 Instinct
- 781.3 Motivation
- 782 Navigation
Cf. QL698.8 Navigation by birds
- 782.5 Orientation
- Psychology. Intelligence. Learning
- 785 General works
- 785.2 Memory
Cf. QP406 Physiology
- 785.24 Number concept
- 785.25 Consciousness
- 785.27 Emotions
- 785.3 Extrasensory perception

- Animal behavior
Special topics -- Continued
(785.5) Special animals
 see QL362+ or SF (Domestic animals)
Stories and anecdotes
 For circus animals see GV1829+
 For animals in television see PN1992.8.A58
 For animals in motion pictures see PN1995.9.A5
 For domesticated animals see SF1+
 For wild animals as pets see SF459.A+
- 791 General works
793 Famous animals
795.A-Z Special. By common name of animal, A-Z
795.A35 African wild dog
795.A4 Alligators
795.A6 Antelopes
795.A8 Asses, Wild
795.B2 Badgers
795.B3 Bats
795.B4 Bears
795.B5 Beavers
795.B53 Bees
795.B57 Birds
 Cf. SF460+ Cage birds
795.B6 Bison
Black eagle see QL795.B57
795.B8 Buffaloes
795.B85 Butterflies
Canada goose see QL795.B57
795.C2 Cats, Wild
 Cf. SF445.5 Stories about domestic cats
795.C3 Cattle, Wild
 Cf. SF197.4 Stories about domestic cattle
795.C5 Chamois
795.C54 Cheetahs
795.C57 Chimpanzees
795.C6 Coyotes
795.C65 Crabs
795.C67 Crocodiles
795.D3 Deer
795.D5 Dingoes
795.D6 Dogs
 Cf. SF426.2 Stories about domestic dogs
795.D7 Dolphins
Ducks, Wild see QL795.B57
795.E4 Elephants
795.E94 European wildcat

Animal behavior
Stories and anecdotes
Special. By common name of animal, A-Z -- Continued

- 795.F65 Fireflies
- 795.F7 Fishes
- 795.F8 Foxes
- 795.F85 Frogs
- 795.G3 Gazelles
- 795.G5 Gibbons
- 795.G55 Giraffe
- 795.G7 Gorillas
- 795.H3 Hamsters
- 795.H35 Hares
- 795.H4 Hedgehogs
- 795.H6 Hippopotami
- 795.H65 Hornets
- 795.H7 Horses, Wild
 - Cf. SF301 Stories about domestic horses
- 795.J27 Jackals
- 795.J3 Jaguars
- 795.K3 Kangaroos
- 795.K62 Koalas
- 795.L5 Leopards
- 795.L7 Lions
- 795.L9 Lynxes
- 795.M3 Marmots
- 795.M37 Mice
- 795.M5 Minks
- 795.M57 Moles
- 795.M6 Mongooses
- 795.M7 Monkeys
- 795.M8 Moose
 - Mules see SF362
- 795.M85 Musk-oxen
- 795.M87 Muskrats
- 795.O7 Orangutans
- 795.O8 Otters
- 795.P18 Pandas
- 795.P2 Panthers
- 795.P28 Peccaries
 - Ponies, Wild see QL795.H7
- 795.P6 Porcupines
- 795.P85 Pumas
 - Rabbits, Wild see QL795.H35
- 795.R15 Raccoons
- 795.R2 Rats
- 795.R4 Reindeer

Animal behavior

Stories and anecdotes

Special. By common name of animal, A-Z -- Continued

- 795.R45 Rhinoceroses
- 795.R5 Ring-tailed phalangers
- 795.S3 Salamanders
- Sea otters see QL795.O8
- 795.S43 Seals
- 795.S46 Sharks
- 795.S47 Shrews
- 795.S55 Skunks
- 795.S6 Sloths
- 795.S65 Snakes
- 795.S7 Squirrels
- 795.S9 Swine
- 795.T47 Thylacine
- 795.T5 Tigers
- 795.T8 Turtles
- 795.W4 Weasels
- 795.W5 Whales
- 795.W6 Wild boars
- Wild dog, African see QL795.A35
- 795.W8 Wolves
- 795.W83 Wombats
- 795.Z42 Zebras

Morphology

Class here general works on animal form, structure, body size, etc.

For particular animals, see QL363+

- 799 General works, treatises, and textbooks
- 799.3 Juvenile works
- 799.5 Study and teaching. Research

Anatomy

Here are classified general works on comparative anatomy and special works on the anatomy of individual organs.

For works on the general anatomy or the anatomy of specific organs of special groups of animals, see the preceding systematic divisions or SF Domestic animals

For invertebrate anatomy see QL363

For human anatomy see QM1+

- 801 Periodicals, societies, congresses, serial publications
- 803 Collected works (nonserial)
- 803.3 Dictionaries
- 803.5 Nomenclature, terminology, notation, abbreviations
- 804 Early works through 1800
- 805 General works, treatises, and textbooks
- 806 Pictorial works and atlases

	Anatomy -- Continued
806.5	Juvenile works
807	Comparative histology
	For special tissues see QM559+
808	Addresses, essays, lectures
	Study and teaching. Research
810	General works
810.5	Problems, exercises, examinations
811	Outlines, syllabi
	Laboratory manuals
812	General works
812.5	Dissection
813.A-Z	By laboratory animal, A-Z
	For specific organs or parts of the body, see QL821+
813.C38	Cats
813.D64	Dogs
	Dogfish shark see QL813.F57
813.F57	Fishes
813.F75	Frogs
813.G63	Goats
813.G73	Grasshoppers
813.H35	Hamsters
813.M55	Mice
813.M56	Minks
	Perch see QL813.F57
813.P54	Pigs. Swine
813.R3	Rabbits
813.R37	Rats
	Sharks see QL813.F57
813.S69	Squids
	Museums. Exhibitions
814.A1	General works
814.A2-Z	By region or country, A-Z
	Subarrange each country by Table Q5
	Skeleton. Osteology
	For histology see QM569
821	General works
822	Skull
823	Catalogs of specimens
825	Articulations
827	Ligaments
831	Muscles
	For histology see QM571
	Vascular system
835	Blood vessels
838	Heart
841	Lymphatics

Anatomy -- Continued

Respiratory organs

- 845 General works
- 846 Branchiae (Gills)
- 847 Tracheae in Arthropoda
- 848 Lungs
- 849 Pleura
- 851 Diaphragm
- 852 Respiratory passages
- 853 Larynx
- 854 Trachea. Bronchi
- 855 Air sacs, swimming bladders, etc.

Digestive organs

- 856 General works
- 857 Mouth
- 858 Teeth
- 861 Pharynx. Esophagus. Tonsils
- 862 Stomach
- 863 Intestines
- 863.5 Peritrophic membranes
- 864 Peritoneum. Mesentery and omentum
- Glands
 - 865 Salivary glands
 - 866 Pancreas
 - 867 Liver
- 868 Ductless glands
 - Including spleen, thyroid, thymus, suprarenal, pineal, pituitary, carotid, etc.

Urogenital system

- 871 General works
- Excretory organs
 - 872 General works
 - 872.5 Nephridia
 - 872.7 Wolffian body
 - 873 Kidneys
 - 873.5 Ducts
 - 874 Bladder
 - 875 Urethra

Reproductive organs. Copulatory organs

- 876 General works
- 878 Male
- 881 Female

Nervous system

- For histology see QM575
- 921 Periodicals, societies, congresses, serial publications
- 923 Collected works (nonserial)
- 925 General works, treatises, and textbooks

Anatomy

Nervous system -- Continued

- 927 Laboratory manuals. Neurological technique
- 931 Neural elements: Cells, fibers, supporting structures, etc.
- Central nervous system. Brain
- 933 General works, treatises, and textbooks
- Special types
- 935 Invertebrate
- 937 Vertebrate
- 938.A-Z Special structures, A-Z
- 938.A35 Afferent pathways
- 938.B73 Brain stem
- 938.C46 Cerebral cortex
- 938.C47 Cerebral ventricles
- 938.D44 Dentate nucleus
- 938.D53 Diencephalon
- 938.D65 Dorsal ventricular ridge
- 938.H56 Hippocampus
- 938.H94 Hypothalamus
- 938.L55 Limbic system
- 938.M4 Mechanoreceptors
- 938.M43 Medial geniculate body
- 938.N45 Neocortex
- 938.N48 Neural crest
- 938.O44 Olivary nucleus
- 938.P7 Prosencephalon
- 938.R53 Rhinencephalon
- 938.S6 Spinal cord
- 938.T45 Thalamus
- 939 Peripheral nervous system. Sympathetic nervous system
- 940 Animal weapons for defense and offense
- Integument. Skin
- 941 General works
- 942 Hair. Fur. Bristles. Whiskers. Scales. Nails. Hoofs. Horns
- 943 Skin glands. Odoriferous glands
- 944 Mammae
- Sense organs
- 945 General works
- 946 Tongue
- 947 Nose
- 948 Ear
- 949 Eye
- Topographical and regional anatomy
- 950.1 General works, treatises, and textbooks
- 950.2 External form of the body
- Trunk
- 950.3 General works

	Anatomy
	Topographical and regional anatomy
	Trunk -- Continued
950.39	Buttocks
950.4	Neck
950.5	Head
950.6	Tail
	Limbs
950.7	General works
950.75	Flippers
950.8	Wings
950.9	Segmental anatomy
950.95	Body cavities
	Embryology
	For special organs see QL821+
	For human embryology see QM601+
951	Periodicals, societies, congresses, serial publications
952	Nomenclature, terminology, notation, abbreviations
953	History
	Biography
954	Collective
954.2.A-Z	Individual, A-Z
955	General works, treatises, and textbooks
	Including general works on vertebrates or invertebrates
956	Pictorial works and atlases
956.5	Juvenile works
957	Laboratory manuals
	Individual orders, genera, species, etc.
958	Invertebrate
959	Vertebrate
	Special topics
961	Experimental embryology
962	Behavioral embryology
963	Chemical embryology
963.5	Cell differentiation
	Cf. QH607 Cytology
	Germ cells
964	General works
965	Oogenesis and ovum
966	Spermatogenesis and spermatozoa
	For fertilization see QP273
	Development of the embryo
	Including twins, multiple birth, etc.
971	General works
971.2	Organizer
973	Allantois. Placenta
975	Amnion. Amniotic fluid

	Embryology
	Special topics -- Continued
977	Chorion
979	Myogenesis
979.5	Chondrogenesis
981	Metamorphosis
991	Teratology

	Human anatomy
	Class here only works that deal with human anatomy
	For physical anthropology see GN49+
	For comparative anatomy see QL801+
	For works that include both human physiology and anatomy see QP1+
1	Periodicals, societies, congresses, serial publications
5	Collected works (nonserial)
7	Dictionaries and encyclopedias
	Nomenclature, terminology, notation, abbreviations see QM81
11	History
	Biography
16.A2	Collective
16.A3-Z	Individual, A-Z
	e.g.
16.L4	Leonardo da Vinci
16.V5	Vesalius
17	Directories
21	Early works through 1800
	General works, treatises, and textbooks
23	1801-1969
23.2	1970-
24	Comparative anatomy of humans
	Cf. GN281+ Human evolution. Man's place in nature
24.5	Anatomy of the child
	Cf. RJ131+ Growth and development of children
25	Pictorial works and atlases
26	Popular works
27	Juvenile works
28	Special aspects of the subject as a whole
	Study and teaching. Research
30	General works
31	Outlines, syllabi
32	Problems, exercises, examinations
33	Charts, manikins, etc.
	By region or country
	United States
33.1	General works
33.2.A-Z	By region or state, A-Z
	Subarrange each state by Table Q7
33.3.A-Z	Other regions or countries, A-Z
	Subarrange each country by Table Q7
	Dissection
33.4	History
33.5	General works, treatises, and textbooks
34	Manuals of practical anatomy. Laboratory manuals
35	Outline guides

- 39 Dissection -- Continued
Laboratory technique
Laboratories
- 41 General works
- 43.A-Z By region or country, A-Z
Subarrange each country by Table Q6
- Museums. Exhibitions
- 51.A1 General works
- 51.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 71 Addresses, essays, lectures
- 81 Nomenclature, terminology, notation, abbreviations
- 100 Musculoskeletal system
Skeleton. Osteology
Cf. RA1059 Forensic osteology
- 101 General works
- 105 Skull
Cf. GN71+ Craniology
- 111 Vertebral column
- 113 Ribs and sternum
- 115 Hipbone and pelvis
- 117 Bones of the extremities
- Articulations. Joints
- 131 General works
- 141 Ligaments
- 142 Articular cartilage
- Muscles
- 151 General works
- 155 Of the head and neck
- 161 Of the trunk
- 165 Of the limbs
- 170 Tendons
- Vascular system
For works on the blood vessels of a particular organ or system,
see the organ or system
- 178 General works
- 181 Heart. Pericardium
- 191 Arteries and veins
- 197 Lymphatics
- Organs of respiration and voice
- 251 General works
- 255 Larynx
Cf. QP306 Larynx physiology
- 257 Trachea. Bronchi
- 261 Lungs. Pleura
- 265 Diaphragm
- Organs of digestion

Organs of digestion -- Continued

- 301 General works
- 306 Mouth
- 311 Teeth
- 325 Salivary glands
- 331 Pharynx. Esophagus. Tonsils
- 341 Stomach
- 345 Intestines
- 351 Liver
- 352 Gallbladder
- 353 Pancreas
- 367 Peritoneum. Mesentery and omentum

Glands

- Cf. QM325 Salivary glands
- Cf. QM351 Liver
- Cf. QM353 Pancreas
- 368 General works, treatises, and textbooks
- 371 Ductless glands
 - Including spleen, thyroid, thymus, suprarenal, pineal, pituitary, carotid

Urinary and reproductive organs

- 401 General works
- 404 Kidneys
- 408 Ureters
- 411 Bladder
- 413 Urethra
- 416 Generative organs, Male
- 421 Generative organs, Female
- 431 Perineum

Nervous system

- For works on the innervation of a particular organ or system, see the organ or system
- 451 General works
- 455 Brain
- 465 Spinal cord
- 469 Meninges
- 471 Peripheral nervous system. Sympathetic nervous system.
 - Cranial nerves, etc.

Integument

- 481 General works
- 484 External skin
- 485 Bursae mucosae
- 488 Hair. Nails
- 491 Skin glands
- 495 Mammae

Sense organs

- 501 General works

- Sense organs -- Continued
- 503 Tongue
- 505 Nose
- 507 Ear
- 511 Eye
- Regional anatomy
 - Including surgical and topographical anatomy
- 531 General works, treatises, and textbooks
- Special regions
- 535 Head and neck. Jaws
- Trunk
- 540 General works
- 541 Thorax
- 543 Abdomen
- Limbs
- 548 Upper. Arm and hand
- 549 Lower. Leg and foot
- Human and comparative histology
 - Including microscopic anatomy and ultrastructure
 - For general comparative histology see QL807
- 550 Periodicals, societies, congresses, serial publications
- 550.2 Dictionaries and encyclopedias
- Biography
- 550.5 Collective
- 550.6.A-Z Individual, A-Z
- 551 General works, treatises, and textbooks
- Study and teaching. Research
- 552 General works
- 553 Outlines, syllabi
- 554 Problems, exercises, examinations
- 555 Laboratory manuals
- Laboratory technique
- 556 General works
- 556.5.A-Z Special methods, A-Z
 - Embedding, Plastic see QM556.5.P53
- 556.5.F5 Fixation
- 556.5.L9 Lyophilization
- 556.5.P53 Plastic embedding
- 557 Pictorial works and atlases
- Special tissues
- 559 Pigment
- 561 Epithelium
 - Cf. QP88.4 Physiology
- 562 Endothelium
 - Cf. QP88.45 Physiology
- 563 Connective tissues
- 565 Adipose tissues

Human and comparative histology

Special tissues -- Continued

- 567 Cartilaginous tissues
- 569 Bony tissues
 - Including bone marrow
- 569.5 Hematopoietic system
- 570 Blood vessels
- 570.5 Heart
- 570.7 Lymphatics
- 571 Muscular tissues
- 575 Nerve tissues
- 575.5 Blood-brain barrier
- 576 Endocrine glands
- Generative organs
- 577 General works
- 577.4 Male
- 577.8 Female

Human embryology

- 601 General works, treatises, and textbooks
- 602 Pictorial works and atlases
- 603 Popular works
- 608 Research. Experimentation
- 611 Special topics (not A-Z)
- Teratology
 - Cf. GT6730 Manners and customs
- 690 Early works through 1800
- 691 1801-
- 695.A-Z By region, system, or organ of the body, A-Z
 - Class clinical aspects in R
- 695.B36 Basicranium
- 695.B7 Brain
- 695.C37 Cardiovascular system
- 695.E95 Extremities
- 695.F32 Face
- 695.G45 Generative organs
- 695.N45 Nervous system
- 695.P76 Prosencephalon
- 695.U74 Urinary organs
- 695.V55 Viscera

Physiology

For the physiology of special animals or groups of animals see the systematic divisions QL364+

Cf. GN221+ Physiological anthropology

1 Periodicals, societies, congresses, serial publications

6 Collected works (nonserial)

11 Dictionaries and encyclopedias

13 Nomenclature, terminology, notation, abbreviations

21 History

Biography

25 Collective

26.A-Z Individual, A-Z

e.g.

26.H3 Harvey

26.P35 Pavlov

29 Early works through 1800

General works, treatises, and textbooks

31 1801-1969

31.2 1970-

33 Comparative physiology

33.5 Special aspects of the subject as a whole

33.6.A-Z Special topics, A-Z

33.6.C48 Chaotic processes

33.6.D38 Data processing

33.6.M36 Mathematical models

Human physiology

Including general works on human biology

General works, treatises, and advanced textbooks

34 Through 1969

34.5 1970-

35 Handbooks, manuals, etc.

36 School textbooks of physiology and hygiene

37 Juvenile works

38 Popular works

Study and teaching. Research

Cf. RA440+ Hygiene

39 General works

40 Problems, exercises, examinations

41 Outlines, syllabi

Experimental physiology

42 Elementary works

Including laboratory manuals

43 Advanced works

44 Laboratory manuals

Data processing see QP33.6.D38

45 Vivisection

Cf. HV4905+ Anti-vivisection

- Study and teaching. Research -- Continued
- 47.A-Z By region or country, A-Z
- Laboratories
- 51 General works
- 53.A-Z By region or country, A-Z
- Subarrange each country by Table Q6
- 54 Technique
- 55 Instruments and apparatus
- 71 Addresses, essays, lectures
- 77 Miscellany and curiosa
- Phenomena of animal life (General)
- 81 General works
- 81.5 Sex differences
- 81.6 Sexual orientation. Homosexuality
- Influence of the environment (General). Animal
ecophysiology. Physiological adaptation
- Cf. GF1+ Human ecology
- 82 General works
- 82.2.A-Z Special topics, A-Z
- 82.2.A2 Acceleration
- 82.2.A3 Air pollution
- 82.2.A36 Allostasis
- 82.2.A4 Altitude
- Anoxemia see QP177
- Biomagnetism see QP82.2.M3
- 82.2.C5 Climate. Weather
- Cf. QP82.2.H8 Humidity
- Cf. QP82.2.T4 Temperature
- 82.2.C6 Cold
- 82.2.E4 Electrolytes
- 82.2.E43 Electromagnetic waves
- 82.2.G35 Gamma waves
- 82.2.G7 Gravity
- 82.2.H4 Heat
- 82.2.H44 Heavy metals
- 82.2.H45 Heavy particles
- 82.2.H8 Humidity
- 82.2.I45 Infrasonic waves
- 82.2.I5 Ionized air
- 82.2.I53 Ionizing radiation
- 82.2.L3 Lasers
- 82.2.L5 Light
- 82.2.M3 Magnetism
- 82.2.M5 Microwaves
- 82.2.M54 Millimeter waves
- 82.2.N6 Noise
- 82.2.N64 Nonionizing radiation

- Phenomena of animal life (General)
Influence of the environment (General). Animal
ecophysiology. Physiological adaptation
Special topics, A-Z -- Continued
- 82.2.P4 Pesticides
82.2.P6 Pollution
82.2.P7 Pressure
82.2.R3 Radiation
Radiation, Ionizing see QP82.2.I53
Radiation, Nonionizing see QP82.2.N64
Radiation, Ultraviolet see QP82.2.U4
- 82.2.R33 Radio waves
82.2.S8 Stress (Physiology)
82.2.T4 Temperature
Cf. QP82.2.C6 Cold
Cf. QP82.2.H4 Heat
Cf. QP135 Thermoregulation
Traffic and wildlife see HE5620.W54
- 82.2.U37 Ultrasonic waves
82.2.U4 Ultraviolet rays
82.2.U45 Underwater physiology
Cf. RC1015 Human underwater physiology
- 82.2.V5 Vibration
82.2.W36 Water pollution
Weather see QP82.2.C5
- 82.2.W4 Weightlessness
Cf. RC1151.W44 Human space physiology
- Developmental physiology
Cf. QL971+ Animal fetal development
Cf. RG600+ Human fetal development
Cf. RJ131+ Children
Cf. RJ140+ Adolescents
Cf. RJ252 Infants
- 83.8 General works, treatises, and textbooks
84 Growth
84.4 Puberty
84.6 Chronobiology. Periodicity. Biorhythms
For special applications, see the field, e.g. T55.3.B56 Industrial
safety
- 85 Longevity. Prolongation of life
86 Aging. Senescence
Cf. QH608 Cell aging
Cf. RC580.P7 Progeria
Cf. RC952+ Geriatrics
- 87 Death
Cf. QH671 Cell death

Physiology of the tissues (General)

Including physical and chemical properties

88

General works

88.15

Adipose tissues. Brown adipose tissue

Cf. QM565 Histology

88.2

Bone

88.23

Connective tissues

88.3

Hair. Fur. Wool

88.4

Epithelium

Cf. QM561 Histology

88.45

Endothelium

Cf. QP88.45 Histology

Muscle see QP321+

Nerve see QP361+

88.5

Skin

Cf. QP220+ Skin secretions

Cf. QP369+ Skin nerves

Cf. QP372.9 Galvanic skin response

Cf. QP450+ Cutaneous senses

88.6

Teeth

Cf. QP149 Mastication

89

Transplantation

Cf. RD120.6+ Surgery

90

Rejuvenation

90.2

Regeneration

90.4

Homeostasis

90.5

Body fluids

For lymph see QP115

For secretions see QP190+

For cerebrospinal fluid see QP375

90.6

Osmoregulation

90.7

Acid-base equilibrium

Blood

91

General works

92

Formation. Hematopoiesis. Bone marrow

Composition and chemistry

93

General works

Coagulation

Including fibrin, fibrinogen, thrombin, prothrombin,
thromboplastin

93.5

General works

93.7.A-Z

Special factors, A-Z

93.7.A58

Antithrombins

93.7.P76

Protein C

93.7.T45

Thrombomodulin

93.7.V65

Von Willebrand factor

Corpuscles and platelets

Blood

Corpuscles and platelets -- Continued

- 94 General works
- Leucocytes. White blood cells
 - Cf. QR185.8.L48 Immunology
- 95 General works
- 95.2 Basophils
- 95.3 Eosinophils
 - Cf. QR185.8.E58 Immunology
- 95.4 Granulocytes
 - Cf. QR185.8.G73 Immunology
- 95.5 Lymphocytes
 - Cf. QR185.8.L9 Immunology
- 95.7 Monocytes
- 95.8 Neutrophils
 - Cf. QR185.8.N47 Immunology
- Erythrocytes. Red blood cells
- 96 General works
- 96.5 Hemoglobin
 - Cf. QP99.3.G55 Glycosylated hemoglobin
 - Cf. RC641.7.H35 Hemoglobinopathy
- 96.7 Reticulocytes
- Platelets
 - Cf. QR185.8.P58 Immunology
- 97 General works
- 97.5 Megakaryocytes
- 98 Blood groups
- 99 Plasma and serum
- 99.3.A-Z Special constituents, A-Z
- 99.3.A4 Albumins
- 99.3.A45 Alpha macroglobulins
- Antithrombins see QP93.7.A58
- 99.3.A65 Apolipoproteins
 - Including individual apolipoproteins
- 99.3.B5 Blood sugar
- 99.3.C3 Carbon dioxide
- Fibrin and fibrinogen see QP93.5+
- 99.3.G3 Gases
 - Cf. RB45.2 Examination of blood gases
- 99.3.G55 Glycosylated hemoglobin
- 99.3.H3 Haptoglobin
- 99.3.H35 Hematin
- 99.3.H37 Hematoblasts
- 99.3.H4 Hemocyanin
- 99.3.H45 Hemoerythrin
- Hemoglobin see QP96.5
- 99.3.H53 High density lipoproteins

Blood

Special constituents, A-Z -- Continued

- 99.3.L5 Lipids
- 99.3.L52 Lipoproteins
- 99.3.L68 Low density lipoproteins
- 99.3.O6 Oocytin
- 99.3.O9 Oxygen
- 99.3.P5 Pigments
- Platelet activating factor see QP752.P62
- 99.3.P7 Proteins
- Prothrombin see QP93.5+
- Thrombin and thromboplastin see QP93.5+
- 99.3.T72 Trace elements
- 99.5.A-Z Other special, A-Z
- 99.5.A3 Agglutination
- 99.5.E5 Electrophoresis
- 99.5.H4 Hemolysis
- 99.5.S4 Sedimentation

Cardiovascular system. Circulation

- 101 General works, treatises, and textbooks
- 101.2 Periodicals, societies, congresses, serial publications
- 101.3 Collected works (nonserial)
- 101.4 History of discovery and ideas on circulation. Harvey
- (102) General works
 - see QP101
- 103 Juvenile works
- 104 Study and teaching. Research
- Hemodynamics
 - Including pressure, velocity, flow, viscosity, etc.
- 105 General works
- 105.15 Rheology
- 105.2 Measurement of pressure
- 105.4 Measurement of flow
- Systemic system
 - General works
 - Arterial. Aorta
 - Venous
 - Microcirculation. Capillaries
- Special systems
 - Pulmonary system
 - Coronary system
 - Other, A-Z
 - Cerebral circulation
 - Peripheral circulation
- 107 Vasomotor control. Baroreflexes
- 108 Other special topics, A-Z
- 108.5.A-Z Adrenergic receptors
- 108.5.C4
- 108.5.P45
- 109
- 110.A-Z
- 110.A37

Cardiovascular system. Circulation

Other special topics, A-Z -- Continued

- 110.A7 Artificial circulation
- 110.B5 Blood volume
- 110.C64 Collateral circulation
- 110.G45 Gene expression
- 110.R3 Radiation effects
- 110.V34 Vascular endothelium
- 110.V37 Vascular muscle
- 110.V38 Vascular resistance

Heart

- (111) General works
 - see QP111.4
- 111.2 Periodicals, societies, congresses, serial publications
- 111.3 Collected works (nonserial)
- 111.4 General works, treatises, and textbooks
- 111.5 Pictorial works and atlases
- 111.6 Juvenile works

Study and teaching. Research

- 112 General works
- Research techniques
- 112.4 General works
- 112.5.A-Z Special, A-Z
 - 112.5.A55 Animal models
 - 112.5.C3 Cardiography
 - 112.5.E4 Electrocardiography
 - 112.5.E46 Electrophysiology
 - 112.5.M33 Magnetocardiography
 - 112.5.N83 Nuclear magnetic resonance
 - 112.5.R6 Radiography

113 Cardiac dynamics

Including beat, rate, output, acceleration, rhythm

113.2 Myocardium

For specific myocardial characteristics see QP114.A+

113.4 Nervous control

113.6 Cardiovascular sound

114.A-Z Other special topics, A-Z

114.A32 Adaptation

114.A35 Aging

114.A57 Aortic valve

114.A75 Arrest, Cardiac

Cardiac arrest see QP114.A75

Cardiac membranes see QP114.M46

114.C37 Cardiogenic reflexes

114.C44 Cells

114.C5 Chemical effects

Cold see QP114.H94

Heart

Other special topics, A-Z -- Continued

- 114.C65 Conduction system
- 114.D5 Diastole
- 114.D54 Dilatation
- 114.E53 Endocardium
- 114.E9 Exercise effects
- Heart cells see QP114.C44
- Heart membranes see QP114.M46
- 114.H6 Hormone control
- 114.H94 Hypothermia. Cold
- 114.I8 Isolation. Survival
- 114.L94 Lymphatics
- 114.M43 Mechanical properties
- 114.M46 Membranes
- 114.M48 Metabolism
- 114.M65 Molecular biology
- 114.R3 Radiation effects
- 114.R43 Receptors
- Reflexes, Cardiogenic see QP114.C37
- 114.R45 Regeneration
- 115 Lymph and lymphatic system
 - Cf. QP114.L94 Heart lymphatics
- Respiration. Respiratory organs
 - Cf. QP177 Oxygen and metabolism
 - Cf. RA782 Breathing and exercises
- 121.A1 Periodicals, societies, congresses, serial publications
- 121.A4-Z General works, treatises, and textbooks
- 123 Regulation of respiration
- 123.5 Cough
- 124 Pulmonary gas exchange
- 125 Trachea
- 135 Thermoregulation. Animal heat. Body temperature
 - Cf. QP82.2.T4 Ambient temperature
- 136 Appetite
- Hunger and thirst
 - Cf. RC620+ Deficiency diseases
- 137 General works
- Hunger
 - General works
- 138 Starvation
- 138.5 Thirst
- 139

	Nutrition
	Cf. RA784 Personal hygiene
	Cf. RG559 Pregnancy
	Cf. RM214+ Diet therapy
	Cf. SF94.5+ Animal culture. Feeding and feeds
	Cf. TX551+ Home economics
141.A1	Periodicals, societies, congresses, serial publications
141.A2-Z	General works, treatises, and textbooks
	Study and teaching. Research
143	General works
	Research techniques
143.4	General works
143.5.A-Z	Special, A-Z
143.5.A58	Anthropometric assessment
143.5.M37	Mathematical models
143.5.R33	Radioactive tracers
143.5.S73	Stable isotope tracers
143.7	Nutrient interactions
144.A-Z	Other special topics, A-Z
144.A77	Avocado
144.B48	Beverages
144.C46	Chocolate. Cocoa
144.C58	Citrus fruit
	Cocoa see QP144.C46
144.C63	Coconut
	Dairy products see QP144.M54
144.E44	Eggs
144.F52	Fiber
144.F56	Fish. Seafood. Marine products
144.F78	Fruit
144.F85	Functional foods
144.G45	Genetics
144.G73	Grain
	Marine products see QP144.F56
144.M43	Meat
144.M54	Milk. Dairy products
144.O44	Oilseeds. Vegetable oils
	Including individual oilseeds and vegetable oils
144.R53	Rice
	Seafood see QP144.F56
	Vegetable oils see QP144.O44
144.V44	Vegetables
	Physiology of the digestive tract. Digestion
145	General works
	Special organs

Nutrition

Physiology of the digestive tract. Digestion

Special organs -- Continued

Mouth. Pharynx. Esophagus

Cf. QP88.6 Teeth

Cf. QP188.S2 Salivary glands

146 General works

147 Ingestion. Eating

148 Deglutition

149 Mastication

150 Drinking

151 Stomach

Cf. QP193 Gastric juice

156 Intestines

157 Peritoneum. Mesentery and omentum

159 Feces

165 Absorption

Metabolism

Cf. QH634.5 Cell metabolism

171 General works

176 Energy metabolism

177 Relation of oxygen to metabolism
Including oxidation, anoxemia, etc.

180 Gastrointestinal motility

185 Liver. Gallbladder

Cf. QP197 Bile

185.3 Bile ducts

Glands

186 General works

Endocrinology. Endocrine glands

Cf. QP252+ Reproductive endocrinology

Cf. QP356.4 Neuroendocrinology

Cf. QP356.45 Behavioral endocrinology

Cf. RC648+ Endocrine diseases

187.A1 Periodicals, societies, congresses, serial publications

187.A4-Z General works, treatises, and textbooks

187.3.A-Z Special topics, A-Z

187.3.A28 Adaptation

187.3.A34 Aging

187.3.C44 Cellular control mechanisms

187.3.D38 Data processing

187.3.E93 Exercise

187.3.M36 Mathematical models

187.3.M64 Molecular endocrinology

187.3.S42 Second messengers

187.5 Endocrine genetics

187.6 Developmental endocrinology

Glands

Endocrinology. Endocrine glands -- Continued

Individual endocrine glands see QP188.A+

Exocrine glands

187.7.A1 Periodicals, societies, congresses, serial publications

187.7.A4-Z General works, treatises, and textbooks

188.A-Z Special glands, A-Z

188.A28 Adrenal cortex

188.A3 Adrenal glands

188.A33 Adrenal medulla

188.A6 Aortic paraganglia

188.C35 Chromaffin cells

188.H88 Hypothalamic-pituitary-adrenal axis

188.H9 Hypothalamo-hypophyseal system

Cf. QP188.P58 Pituitary gland

Cf. QP356.4 Neuroendocrinology

Cf. QP383.7+ Hypothalamus

Islands of Langerhans see QP188.P26

188.M3 Mammary glands

Cf. QP246 Milk

188.P26 Pancreas. Islands of Langerhans

Cf. QP195 Pancreatic juice

188.P3 Parathyroid gland

188.P55 Pineal body

188.P58 Pituitary gland

Cf. QP188.H9 Hypothalamo-hypophyseal system

188.S2 Salivary glands

Cf. QP191 Saliva

188.S26 Salt glands

188.S43 Sebaceous glands

Cf. QP222 Sebum

188.S7 Spleen

188.S9 Sweat glands

Cf. QP221 Sweat

188.T4 Tear glands. Lacrimal organs

Cf. QP231 Tears

188.T5 Thymus gland

188.T54 Thyroid gland

Secretions

190 General works, treatises, and textbooks

Digestive organs and glands secretions

190.7 General works, treatises, and textbooks

191 Saliva

193 Gastric juice

Cf. QP552.G35 Gastric intrinsic factor

195 Pancreatic juice

	Secretions
	Digestive organs and glands secretions -- Continued
197	Bile
	Cf. QP671.B5 Bile pigments
	Cf. QP752.B54 Bile acids
211	Urinary organs secretions. Urine
215	Mucous membrane secretions. Mucus
	Skin secretions
220	General works, treatises, and textbooks
221	Sweat
222	Sebum
231	Lacrimal organ secretions. Tears
	Other
235	Venom
246	Milk
246.5	Synovial fluid
	Urinary and reproductive organs
247	General works
	Urinary organs
	Cf. QP211 Urine
248	General works
249	Kidneys
250	Ureters
250.5	Bladder
250.8	Urethra
	Reproduction. Physiology of sex
	Cf. HQ31+ Sex instruction
	Cf. QP81.6 Sexual orientation. Homosexuality
	Cf. RA788 Sex hygiene
251	General works, treatises, and textbooks
251.5	Juvenile works
	Reproductive endocrinology
	Cf. RG159+ Endocrine gynecology
	Cf. RG558.5 Obstetrical endocrinology
	Cf. RG616 Fetus
252	General works
252.5	Reproductive immunology
	Cf. RG557 Obstetrics
	Male sex physiology
253	General works, treatises, and textbooks
255	Testes and semen
	Cf. QL966 Spermatogenesis
257	Accessory male organs
	Female sex physiology
259	General works, treatises, and textbooks
261	Ovary and ovulation
	Cf. QL965 Oogenesis

- Urinary and reproductive organs
 - Reproduction. Physiology of sex
 - Female sex physiology -- Continued
 - 262 Uterus
 - 263 Menstruation
 - Cf. RJ140+ Physiology of adolescents
 - 265 Accessory female organs
 - 267 Hermaphroditism
 - 273 Fertilization. Fecundation
 - For fertility see QP251
 - 275 Ovum implantation
 - 277 Physiology of the embryo
 - Cf. QL951+ Embryology (Zoology)
 - Cf. QM601+ Human embryology
 - Cf. RG610+ Human fetus
 - 278 Sex differentiation
 - 278.5 Sex determination
 - Cf. QH600.5 Sex chromosomes
 - Cf. RG566 Determination of sex during pregnancy
 - 279 Sex preselection
 - 280 Viviparity. Ovoviviparity
 - 281 Gestation
 - Cf. RG499.2+ Obstetrics
 - 285 Parturition
 - Cf. RG651+ Labor
 - Musculoskeletal system. Movements
 - Including physiology of exercise
 - Cf. GN231+ Physical anthropology
 - Cf. QP114.E9 Exercise effects on heart
 - Cf. QP187.3.E93 Endocrinology
 - Cf. RC1235+ Physiology of sports
 - 301 General works, treatises, and textbooks
 - 303 Mechanics. Kinesiology
 - 306 Voice and speech. Larynx
 - Cf. BF463.S64 Speech perception
 - Cf. MT821 Voice culture
 - Cf. QM255 Larynx anatomy
 - Cf. RC280.T5 Laryngeal tumors
 - Cf. RC423+ Speech disorders
 - Cf. RF510+ Laryngeal diseases
 - Cf. TK7895.S65 Speech recognition systems
 - 309 Work physiology
 - 310.A-Z Other special movements, A-Z
 - 310.C5 Ciliary motion
 - 310.C55 Climbing
 - 310.D35 Dancing
 - Deglutition see QP148

Musculoskeletal system. Movements
Other special movements, A-Z -- Continued

310.F5	Flight
310.G34	Galloping
	Cf. SF289 Horses
(310.H36)	Hand movements
	see QP334
(310.H43)	Head movements
	see QP325
	Ingestion see QP147
310.I7	Irritability
310.J86	Jumping
	Mastication see QP149
310.P5	Phototropism
310.R45	Rhythmic movements
310.R85	Running
310.S45	Skipping
(310.S65)	Spinal movements
	see QP330
310.S77	Stretching
310.S95	Swimming
310.T9	Typewriting
310.W3	Walking
310.W7	Writing
310.3	Posture
310.5	Hypokinesia. Inactivity
311	Miscellany and curiosa
	Muscle
	Cf. QP113.2 Myocardium
321	General works
321.5	Smooth muscle
	Cf. QP110.V37 Vascular muscle
322	Sphincters
323	Joints
	By region
	Head and neck
325	General works
327	Face
330	Spine
	Upper extremities
333	General works
334	Hand
	Lower extremities
335	General works
336	Foot

- 341 Electrophysiology
 - Cf. QL639.1 Fishes
 - Cf. QP372.9 Galvanic skin response
 - Cf. QP447.5 Electoreceptors
- 345 Magnetic field generation
- Neurophysiology and neuropsychology
- 351 Periodicals, societies, congresses, serial publications
- 352 Collected works (nonserial)
- 352.5 Dictionaries and encyclopedias
- 353 History
- Biography
- 353.3 Collective
- 353.4.A-Z Individual, A-Z
- 354 Early works through 1800
- General works, treatises, and textbooks
- 355 1801-1969
- 355.2 1970-
- 356 Special aspects of the subject as a whole
- 356.15 Comparative neurobiology
- 356.2 Molecular neurobiology
- 356.22 Neurogenetics
- 356.25 Developmental neurophysiology
- 356.3 Neurochemistry. Brain chemistry
- 356.4 Neuroendocrinology
 - Cf. QP188.H9 Hypothalamo-hypophyseal system
- 356.45 Psychoneuroendocrinology. Behavioral endocrinology
- 356.47 Neuroimmunology
- 356.5 Radiation effects on the nervous system
- 357 Laboratory manuals
 - Cf. BF79 Psychology laboratory manuals
- 357.5 Data processing
- 359 Miscellany and curiosa
- Neuropsychology. Physiological psychology.
 - Psychophysiology
 - Cf. BF1+ Psychology
- 360 General works
- 360.5 Cognitive neuroscience
- 360.7 Neuroergonomics
- Nervous system
- 361 General works, treatises, and textbooks
- 361.5 Juvenile works
- 363 Miscellaneous general functions
 - Including excitation, impulse propagation, etc.
- 363.2 Neuroglia
- 363.3 Neural circuitry. Neural networks
- 363.5 Neurogenesis. Developmental neurobiology
- 364 Synapses

Neurophysiology and neuropsychology

Nervous system -- Continued

- 364.5 Neural transmission
- 364.7 Neurotransmitters. Neurotransmitter receptors
- 365 Inhibition (General)
- 365.2 Sensitization
- Peripheral nervous system
- 365.5 General works
- Cerebrospinal nerves
- 366 Cranial nerves
- 367 Spinal nerves
- Autonomic nervous system
- 368 General works
- 368.5 Sympathetic nervous system
- 368.7 Parasympathetic nervous system
- 368.8 Autonomic ganglia. Paraganglia
- Somatic nervous system. Muscle and skin nerves
- 369 General works
- 369.5 Neuromuscular transmission. Myoneural junction
- Central nervous system
- 370 General works
- 370.5 Pyramidal tract. Extrapyramidal tracts
- 371 Spinal cord
- Reflexes
 - Cf. QP416 Conditioned response
- 372 General works
- 372.5 Stretch reflex
- 372.6 Startle reflex
- 372.8 Visceral reflex
- 372.9 Galvanic skin response
- (374) Other special topics (not A-Z)
- 375 Cerebrospinal fluid
- 375.5 Blood-brain barrier. Choroid plexus
- Brain
 - Cf. QP108.5.C4 Cerebral circulation
 - Cf. QP356.3 Neurochemistry
- 376 General works
- 376.5 Electroencephalography
- 376.6 Imaging
- Brain stem
- 376.8 General works
- 377 Medulla oblongata
- 377.5 Pons Varolii
- Midbrain. Mesencephalon
- 378 General works
- 378.3 Substantia nigra
- 378.4 Periaqueductal gray matter

Neurophysiology and neuropsychology

Nervous system

Central nervous system

Brain -- Continued

- 379 Cerebellum
- Cerebrum. Cerebral hemispheres
 - 381 General works
 - 382.A-Z Special lobes, A-Z
 - 382.F7 Frontal
 - 382.O22 Occipital
 - 382.P3 Parietal
 - 382.T4 Temporal
 - 382.2 Corpus callosum
 - Cortex
 - 383 General works
 - 383.12 Neocortex
 - 383.15 Sensorimotor cortex
 - 383.17 Prefrontal cortex
 - 383.2 Limbic system
 - 383.25 Hippocampus
 - Basal ganglia
 - 383.3 General works
 - 383.5 Thalamus. Optic thalamus
 - 383.6 Claustrum
 - Hypothalamus
 - Cf. QP188.H9 Hypothalamo-hypophyseal system
 - 383.7 General works
 - 383.8 Suprachiasmatic nucleus
 - 383.9 Corpus striatum
 - Localization of functions
 - 385 General works
 - 385.5 Cerebral dominance
 - 388 Brain stimulation techniques
 - Time relations of central processes, reaction time, etc.
 - see BF317
 - Association of ideas see BF365+
 - 395 Higher nervous activity
 - 396 Information processing
 - 398 Intellect
 - Cf. BF431+ Psychology
 - 399 Language. Speech
 - Cf. BF455+ Psychology
 - Cf. QP306 Speech
 - 401 Emotions. Pleasure and pain
 - Cf. BF511 Psychology
 - 402 Personality

- Neurophysiology and neuropsychology
 - Nervous system
 - Central nervous system
 - Brain -- Continued
 - 405 Attention and volition
 - 406 Memory
 - Cf. BD181.7 Philosophy
 - Cf. BF370+ Psychology
 - 408 Learning
 - Cf. BF318 Psychology
 - Cf. LB1060+ Education
 - 409 Motivation
 - Cf. BF501+ Psychology
 - 411 Consciousness, subconsciousness, and unconsciousness
 - 416 Conditioned response
 - 421 Fatigue
 - Cf. BF482 Psychology
 - Cf. QP321+ Muscle
 - Sleep. Hypnotic conditions, etc.
 - 425 General works
 - 426 Dreaming
 - Cf. BF1074+ Parapsychology
 - 427 Napping
 - 430 Other special topics (not A-Z)
 - Senses. Sensation. Sense organs
 - Cf. BF231+ Psychology
 - Cf. QP137+ Hunger and thirst
 - 431 General works, treatises, and textbooks
 - 434 Juvenile works
 - 435 General special
 - Perceptual process
 - 441 General works
 - 443 Space
 - Including orientation
 - Cf. QP471+ Equilibrium
 - Cf. QP491+ Visual space perception
 - 445 Time
 - Sensory receptors
 - 447 General works
 - 447.5 Electoreceptors
 - Special senses
 - Somesthesia
 - 448 General works
 - Cutaneous senses
 - 450 General works
 - 451 Touch

Neurophysiology and neuropsychology

Senses. Sensation. Sense organs

Special senses

Somesthesia

Cutaneous senses -- Continued

451.2

Pressure

451.4

Pain

451.6

Temperature

454

Proprioception. Sense of movement. Muscular sense

Chemical senses. Chemoreceptors

455

General works

456

Taste

458

Smell

Hearing. Physiological acoustics

Cf. ML3820+ Physiology of music

Cf. QC221+ Sound (Physics)

460

Periodicals, societies, congresses, serial publications

461

General works, treatises, and textbooks

462

Popular works

462.2

Juvenile works

463

Limits of hearing

(464)

Speech perception

see BF463.S64

465

Pitch and tone perception and discrimination

467

Rhythm. Melody

469

Localization of sound

469.3

Bone conduction

Equilibrium. Labyrinths of the ear

471

General works

471.2

Cochlea

Vision. Physiological optics

Cf. RE1+ Ophthalmology

474

Periodicals, societies, congresses, serial publications

475

General works, treatises, and textbooks

475.5

Popular works

475.7

Juvenile works

Eyeball

476

General works

476.3

Intraocular pressure

477

Accommodation. Refraction

477.5

Movement

477.8

Cornea

478

Lens

479

Retina

Light perception and discrimination

481

General works

482

Night vision

	Neurophysiology and neuropsychology
	Senses. Sensation. Sense organs
	Special senses
	Vision. Physiological optics
	Light perception and discrimination -- Continued
482.5	After-images
483	Color vision
	Binocular vision
487	General works
487.5	Binocular rivalry
	Visual space perception
491	General works
492	Form, solidity, size
493	Movement
494	Peripheral vision
495	Optical illusions
	Animal biochemistry
	For works limited to chemical aspects of biological materials see QD415+
	Cf. QH345 General biochemistry and plants and animals
	Cf. QR148 Microbiological chemistry
	Cf. RB112.5 Clinical biochemistry
	Cf. RS400+ Pharmaceutical chemistry
501	Periodicals, societies, congresses, serial publications
509	Collected works (nonserial)
	History
511	General works
511.5.A-Z	By region or country, A-Z
	Biography
511.7	Collective
511.8.A-Z	Individual, A-Z
512	Dictionaries and encyclopedias
513	Early works through 1800
	General works, treatises, and textbooks
514	1801-1969
514.2	1970-
517.A-Z	Special topics, A-Z
517.A55	Allosteric regulation
517.B42	Binding sites
517.B44	Bioactive compounds
517.B48	Biochemical templates
517.B49	Bioconjugates
517.B5	Biodegradation
517.B53	Bioelectrochemistry
517.B54	Bioenergetics
	Bioluminescence see QH641
517.B56	Biomimetics

Animal biochemistry

Special topics, A-Z -- Continued

- 517.B57 Biosynthesis
- Biothermodynamics see QP517.T48
- 517.B58 Biotransformation
- 517.C45 Cellular signal transduction
 - Including second messengers
- 517.C49 Charge transfer in biology
- 517.C54 Chemiluminescence
- 517.C57 Chirality
- Computer simulation see QP517.M3
- 517.C66 Cooperative binding
- 517.C78 Cryobiochemistry
- 517.D57 Dissociation
- 517.F66 Fossil biomolecules
- 517.H53 High pressure biochemistry
- 517.H93 Hydrogen bonding
- 517.L54 Ligand binding
- 517.M3 Mathematical models. Computer simulation
- 517.M65 Molecular dynamics
- 517.M66 Molecular orbitals
- 517.M67 Molecular recognition
- 517.P45 Photobiochemistry
- 517.P49 Physical biochemistry
- 517.P76 Protein binding
- 517.Q34 Quantum biochemistry
- 517.R4 Reaction rates
- 517.R48 Rheology
- Second messengers see QP517.C45
- Signal transduction, Cellular see QP517.C45
- 517.S83 Stereochemistry
- 517.S85 Structure-activity relationships
 - Cf. RM301.42 Pharmacology
- 517.S87 Surface chemistry
- Templates, Biochemical see QP517.B48
- 517.T48 Thermodynamics
- 517.5 Biological chemistry as a profession. Vocational guidance
- Study and teaching. Research
- 518 General works
- 518.3 Outlines, syllabi
- 518.5 Problems, exercises, examinations
- 519 Laboratory manuals
- Technique. Analytical biochemistry
- 519.7 General works
- 519.9.A-Z Special methods, A-Z
- 519.9.A35 Affinity chromatography
- 519.9.A36 Affinity electrophoresis

Animal biochemistry

Technique. Analytical biochemistry

Special methods, A-Z -- Continued

- 519.9.A37 Affinity labeling
- 519.9.A94 Autoradiography
- 519.9.B55 Bioluminescence assay
- 519.9.B84 Buffer solutions
- 519.9.C34 Calorimetry
- 519.9.C36 Capillary electrophoresis
- 519.9.C37 Capillary liquid chromatography
- 519.9.C44 Centrifugation
- Centrifugation, Density gradient see QP519.9.D45
- 519.9.C47 Chromatography
- Chromatography, Affinity see QP519.9.A35
- Chromatography, Countercurrent see QP519.9.C68
- Chromatography, Gas see QP519.9.G37
- Chromatography, Gel permeation see QP519.9.G44
- Chromatography, High performance liquid see QP519.9.H53
- Chromatography, Ion exchange see QP519.9.I54
- Chromatography, Liquid see QP519.9.L55
- Chromatography, Thin layer see QP519.9.T55
- 519.9.C57 Circular dichroism
- 519.9.C68 Countercurrent chromatography
- 519.9.D45 Density gradient centrifugation
- 519.9.E42 Electrochemical analysis
- 519.9.E43 Electrodes, Ion selective
- 519.9.E433 Electron paramagnetic resonance spectroscopy
- 519.9.E4333 Electron probe microanalysis
- 519.9.E434 Electrophoresis
- 519.9.E46 Enzymatic analysis
- 519.9.E48 Enzyme-linked immunosorbent assay
- 519.9.F52 Flash photolysis
- 519.9.F55 Flow injection analysis
- 519.9.F56 Fluorescence spectroscopy. Fluorescent probes
- 519.9.F58 Fluorimetry
- 519.9.G37 Gas chromatography
- 519.9.G42 Gel electrophoresis
- 519.9.G44 Gel permeation chromatography
- 519.9.H53 High performance liquid chromatography
- 519.9.I42 Immunoassay
- 519.9.I43 Immunoblotting
- Immunoblotting, Western see QP519.9.W47
- Immuno-electrophoresis see QR187.I47
- 519.9.I44 Immunoenzyme technique
- 519.9.I48 Infrared spectroscopy
- 519.9.I54 Ion exchange chromatography

Animal biochemistry

Technique. Analytical biochemistry

Special methods, A-Z -- Continued

- 519.9.I8 Isoelectric focusing
- 519.9.I84 Isotachophoresis
- 519.9.I87 Isotopes
- 519.9.L37 Laser spectroscopy
- 519.9.L55 Liquid chromatography
- Liquid chromatography, High performance see
 QP519.9.H53
- 519.9.L82 Luminescence immunoassay
- 519.9.L84 Luminescence spectroscopy
- 519.9.M3 Mass spectrometry
- 519.9.M64 Molecular probes
- 519.9.N8 Nuclear activation analysis
- 519.9.N83 Nuclear magnetic resonance spectroscopy
- 519.9.P48 Photoaffinity labeling
- Photolysis, Flash see QP519.9.F52
- 519.9.P68 Positron emission tomography
- 519.9.P84 Pulsed-field gel electrophoresis
- Radioactivation analysis see QP519.9.N8
- 519.9.R28 Radioactive tracers
- 519.9.R3 Radioimmunoassay
- 519.9.R34 Radioligand assay
- 519.9.R36 Raman spectroscopy
- 519.9.S45 Separation (Technology)
- 519.9.S58 Spectrophotometry
- 519.9.S6 Spectroscopy
- Spectroscopy, Electron paramagnetic resonance see
 QP519.9.E433
- Spectroscopy, Fluorescence see QP519.9.F56
- Spectroscopy, Laser see QP519.9.L37
- Spectroscopy, Nuclear magnetic resonance see
 QP519.9.N83
- Spectroscopy, Raman see QP519.9.R36
- Spectroscopy, X-ray see QP519.9.X73
- 519.9.S85 Supercritical fluid extraction. Supercritical fluid
 chromatography
- 519.9.T55 Thin layer chromatography
- 519.9.T59 Time-resolved spectroscopy
- 519.9.T84 Two-dimensional electrophoresis
- 519.9.U47 Ultracentrifugation
- 519.9.U48 Ultratrace analysis
- 519.9.W47 Western immunoblotting
- 519.9.X72 X-ray crystallography
- 519.9.X73 X-ray spectroscopy
- 520 Handbooks, tables, formulas, etc.

Animal biochemistry -- Continued

- 521 Miscellany and curiosa
- Special substances
 - 525 Colloids
 - 527 Radicals
 - Xenobiotics
 - 529 General works
 - 529.5 Plant compounds
 - Inorganic substances
 - 531 General works, treatises, and textbooks
 - 532 Metals
 - 533 Minerals
 - 534 Trace elements
 - Cf. TX553.T7 Food value
 - 535.A-Z Elements and their inorganic compounds. By chemical symbol of principal element, A-Z (Table Q1)
 - Organic substances
 - 550 General works, treatises, and textbooks
 - Proteins, amino acids, etc.
 - 551 General works, treatises, and textbooks
 - 551.5 Protein-protein interactions
 - 552.A-Z Special proteins (other than amino acids, enzymes, or hormones), A-Z
 - 552.A27 Actin
 - 552.A32 Actomyosin
 - 552.A43 Albumins
 - 552.A436 Allosteric proteins
 - 552.A439 Alpha fetoproteins
 - 552.A45 Amyloid
 - 552.A56 Antifreeze proteins
 - Antigens and antibodies see QR186.5+
 - Apolipoproteins see QP99.3.A65
 - 552.A65 Aquaporins
 - 552.A87 ATP-binding cassette transporters
 - 552.A94 Avidin
 - 552.B65 Bone morphogenetic proteins
 - 552.C17 C-reactive protein
 - 552.C22 Calcitonin gene-related peptide
 - 552.C24 Calcium-binding proteins
 - 552.C28 Calmodulin
 - 552.C29 Calreticulin
 - 552.C3 Carnosine
 - 552.C34 Carrier proteins
 - 552.C35 Casein
 - 552.C38 Cbl proteins
 - 552.C42 Cell adhesion molecules
 - 552.C45 Cerebrospinal fluid proteins

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Special proteins (other than amino acids, enzymes, or hormones), A-Z -- Continued

552.C48	Chromogranins
552.C56	Clusterin
552.C6	Collagen
552.C62	Collectins
552.C63	Connexins
552.C64	Copper proteins
552.C94	Cytochromes
552.C96	Cytoskeletal proteins
552.D95	Dystrophin
552.E4	Elastin
552.E53	Endorphins
552.E54	Endothelins
552.E55	Enkephalins
552.E59	Epidermal growth factor
552.E95	Extracellular matrix proteins
552.F37	Fatty acid-binding proteins
552.F47	Ferritin
	Fetoproteins, Alpha see QP552.A439
	Fibrinogen see QP93.5+
552.F5	Fibroblast growth factors
552.F53	Fibronectins
552.F54	Flavoproteins
552.G16	G proteins
552.G25	Galanin
552.G3	Gamma globulins
552.G35	Gastric intrinsic factor
552.G4	Gelatin
552.G5	Globin
552.G55	Globulins
552.G58	Glutathione
552.G59	Glycoproteins. Glycopeptides
552.G7	Gramicidins
552.G73	Green fluorescent protein
552.G76	Growth factors
552.H3	Haptoglobins
552.H43	Heat shock proteins
	Hemoglobin see QP96.5
552.H46	Hemoproteins
552.H48	Hepatocyte growth factor
552.H5	Histones
552.H9	Hypoglycin

	Animal biochemistry
	Special substances
	Organic substances
	Proteins, amino acids, etc.
	Special proteins (other than amino acids, enzymes, or hormones), A-Z -- Continued
	Immunoglobulins see QR186.7+
552.I54	Insulin-like growth factor-binding proteins
552.I55	Integrins
552.I56	Interphotoreceptor retinoid-binding protein
	Intrinsic factor see QP552.G35
552.I67	Iron proteins
552.I7	Iron-sulfur proteins
552.K4	Keratin
552.K46	Kinesin
552.K5	Kinins
552.L3	Lactalbumin
552.L345	Lactoferrins
552.L35	Lactoglobulin
552.L42	Lectins
552.L48	Lipocortins
552.L5	Lipoproteins
552.M44	Membrane proteins
552.M46	Metalloproteins
552.M47	Metallothionein
552.M54	Milk proteins
552.M64	Molecular chaperones
552.M8	Mucins
552.M85	Muscle proteins
552.M88	Myelin proteins. Myelin basic protein
552.M9	Myohemoglobin
552.M93	Myosin
552.N36	Nerve growth factor
552.N37	Nerve proteins
552.N38	Neuropeptide Y
552.N39	Neuropeptides
552.N4	Neurophysins
552.N43	Neuropilins
552.N46	NF-kappa B (DNA-binding protein)
552.N62	Nonhistone chromosomal proteins
552.N67	Notch proteins
552.N82	Nucleopeptides
	Nucleoproteins see QP625.N87
552.O65	Opioid peptides
552.O77	Osteopontin
552.O94	Ovomucoid
552.P25	p53 protein

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Special proteins (other than amino acids, enzymes, or hormones), A-Z -- Continued

552.P4	Peptides
552.P45	Peptones
552.P5	Phosphoproteins
	Plasma proteins see QP99.3.P7
552.P56	Platelet-derived growth factor
552.P6	Polypeptides
552.P65	Pregnancy proteins
552.P7	Protamines
	Protectins see QP552.L42
552.P73	Proteoglycans
	Prothrombin see QP93.5+
552.Q55	Quinoproteins
	Receptor-specific proteins see QP552.L42
552.S32	Semaphorins
552.S35	Seminal proteins
552.S37	Septins
552.S4	Sericin
	Serum albumin see QP99.3.A4
552.S65	Somatomedin
552.S74	Steroid-binding proteins
552.S9	Substance P
	Sulfur-iron proteins see QP552.I7
552.T33	Tachykinins
552.T37	Tenascin
552.T43	Thaumatins
552.T45	Thioredoxin
	Thrombin see QP93.5+
552.T47	Thrombospondins
552.T5	Thyroglobulin
552.T55	Thyroprotein
552.T68	Transcription factors
552.T7	Transferrin
552.T72	Transforming growth factors
552.T77	TRP channels
552.T82	Tubulins
552.T83	Tuftsins
552.U24	Ubiquitin
552.U86	Uteroglobin
552.V58	Vitamin K-dependent proteins
552.W58	Wnt proteins
552.Z55	Zinc proteins

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc. -- Continued

Amino acids

- 561 General works, treatises, and textbooks
- 562.A-Z Constituents of proteins, A-Z
 - 562.A7 Arginine
 - 562.A8 Aspartic acid
 - 562.B73 Branched chain amino acids
 - 562.C9 Cystine
 - 562.D53 Diamino amino acids
 - 562.G5 Glutamic acid
 - 562.G55 Glutamine
 - 562.G58 Glycine
 - Glycocoll see QP562.G58
 - 562.H5 Histidine
 - 562.L4 Leucine
 - 562.L8 Lysine
 - 562.M4 Methionine
 - 562.P5 Phenylalanine
 - 562.P7 Proline
 - 562.T5 Threonine
 - 562.T7 Tryptophan
 - 562.T9 Tyrosine
 - 562.V3 Valine
- 563.A-Z Other, A-Z
 - 563.A3 Adenosylmethionine
 - 563.A38 Agmatine
 - 563.A48 Aminobutyric acid
 - 563.A5 Aminocapric acid
 - 563.C5 Citrulline
 - 563.D5 Dihydroxyphenylalanine
 - DOPA see QP563.D5
 - 563.D66 Dopamine
 - 563.G32 GABA
 - Gamma-aminobutyric acid see QP563.G32
 - 563.K33 Kainic acid
 - 563.K9 Kynurenine
 - 563.O7 Ornithine
 - 563.T5 Thyroxine
- Hormones
 - 571 General works, treatises, and textbooks
 - 571.5 Hormone inhibition
 - 571.7 Hormone receptors
 - 572.A-Z Special, A-Z
 - ACTH see QP572.A35

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Hormones

Special, A-Z -- Continued

572.A27	Adrenaline
572.A3	Adrenocortical hormones
572.A35	Adrenocorticotrophic hormone
572.A4	Aldosterone
572.A48	Amylin
572.A5	Androgens
572.A52	Androstenedione
572.A54	Angiotensins
	Including individual angiotensins
572.A82	Atrial natriuretic peptides
572.C3	Calcitonin
572.C33	Calcium regulating hormones
572.C36	Catechol estrogens
572.C47	Chalones
572.C5	Cholecystokinin
572.C53	Chorionic gonadotropins
572.C6	Corticosterone
572.C62	Corticotropin releasing hormone
572.C65	Cortisone
572.E25	Ecdysone
572.E27	Ecdysteroids
572.E8	Estradiol
572.E85	Estrogen
	Cf. QP572.P48 Phytoestrogens
	Estrogens, Catechol see QP572.C36
572.F6	Follicle-stimulating hormone
572.G3	Gastrin
572.G35	Gastrointestinal hormones
572.G45	Ghrelin
572.G5	Glucagon
572.G52	Glucagon-like peptide 1
572.G54	Glucocorticoids
572.G58	Glycoprotein hormones
572.G6	Gonadotropin
	Growth hormone see QP572.S6
572.G75	Growth hormone releasing factor
572.H85	Hydroxyprogesterone
572.H9	Hypothalamic hormones
572.I47	Inhibin
572.I5	Insulin
	Intermedin see QP572.M75

	Animal biochemistry
	Special substances
	Organic substances
	Proteins, amino acids, etc.
	Hormones
	Special, A-Z -- Continued
	Lactogenic hormones see QP572.P74
572.L48	Leptin
572.L5	Lipocaic
572.L56	Lipotropin
572.L84	Luteinizing hormone
572.L85	Luteinizing hormone releasing hormone
572.M44	Melatonin
572.M66	Motilin
572.M75	MSH
572.N47	Neurotensin
	Noradrenalin see QP572.N6
572.N6	Norepinephrine
572.O74	Orexins
572.O9	Oxytocin
572.P3	Parathyroid hormone
572.P33	Parathyroid hormone-related protein
572.P4	Peptide hormones
572.P47	Pheromones
572.P48	Phytoestrogens
572.P5	Pituitary hormone releasing factors
572.P52	Pituitary hormones
572.P57	Placental hormones
572.P67	Pregnenolone
572.P7	Progesterone
572.P74	Prolactin
572.P75	Prosecretin
572.P77	Protein hormones
572.R46	Relaxin
572.S34	Secretin
572.S4	Sex hormones
572.S59	Somatostatin
572.S6	Somatotropin
572.S7	Steroid hormones
572.T4	Testosterone
572.T46	Thymic hormones
572.T5	Thyroid hormones
	Including thyroxine, thyronines, triiodothyronine
572.T55	Thyrotropin
572.T56	Thyrotropin releasing factor
572.V28	Vasoactive intestinal peptides
572.V3	Vasopressin

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc. -- Continued

Enzymes

Cf. QK896 Plant enzymes

601 General works, treatises, and textbooks

601.2 Isoenzymes

601.3 Enzyme kinetics

Enzyme regulation

For works on regulation of individual enzymes or
enzyme classes, see QP601.7+

601.4 General works

601.45 Enzyme activation

For works on activation of individual enzymes or
enzyme classes, see QP601.7+

601.5 Enzyme inhibition

For works on inhibition of individual enzymes or
enzyme classes, see QP601.7+

601.6 Extracellular enzymes

Metalloenzymes

601.7 General works

601.75.A-Z Special, A-Z

601.75.M35 Manganese enzymes

601.75.M64 Molybdenum enzymes

601.75.Z54 Zinc enzymes

601.8 Thiamin pyrophosphate-dependent enzymes

Oxidoreductases

602 General works, treatises, and textbooks

603.A-Z Special, A-Z

603.A34 Alcohol dehydrogenase

603.A35 Aldehyde dehydrogenase

603.A37 Alpha-keto acid dehydrogenase

603.A4 Amino acid oxidases

Amino oxidase see QP603.M6

603.A8 Ascorbate oxidase

603.C3 Catalase

Catechol oxidase see QP603.D5

603.C45 Cholesterol hydroxylase

Cytochrome c reductase see QP603.R4

603.C85 Cytochrome oxidase

603.C9 Cytochrome peroxidase

603.D4 Dehydrogenases

603.D5 Diphenol oxidase

603.F47 Ferredoxin-NADP reductase

603.G55 Glucose dehydrogenase

603.G57 Glucosephosphate dehydrogenase

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Enzymes

Oxidoreductases

Special, A-Z -- Continued

603.H45	Heme oxygenase
603.H55	Histaminase
603.H88	Hydrogenase
603.H9	Hydroxylases
603.H92	Hydroxymethylglutaryl coenzyme A reductases
603.I54	IMP dehydrogenase
603.L33	Lactate dehydrogenase
603.L56	Lipoxygenases
603.M48	Methylenetetrahydrofolate reductase
603.M6	Monamine oxidase
603.M65	Monooxygenases
603.N58	Nitrogenase
603.O8	Oxidases
603.O85	Oxygenases
603.P4	Peroxidase
603.P43	Phenol oxidase
603.P74	Proline hydroxylase
603.P76	Prostaglandin synthase
603.P8	Pyruvate oxidase
603.R4	Reduced nicotinamide adenine dinucleotide dehydrogenase
603.R52	Ribonucleoside diphosphate reductase
603.S9	Succinate dehydrogenase
603.S94	Superoxide dismutase
603.T78	Tryptophan oxygenase
	Tyraminase see QP603.M6
	Tyrosinase see QP603.P43
603.U7	Urate oxidase
	Uricase see QP603.U7

Transferases

General works, treatises, and textbooks

Special, A-Z

605	
606.A-Z	
606.A33	Acetyltransferases
606.A43	Aminotransferases
606.A8	Aspartate aminotransferase
606.C45	Choline acetylase
606.C73	Creatine kinase
606.D46	Deoxyribonucleate nucleotidyltransferases. DNA polymerases
606.F7	Fructokinase

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Enzymes

Transferases

Special, A-Z -- Continued

- 606.G5 Glucan phosphorylase
- 606.G57 Glucokinase
- 606.G573 Glucuronosyltransferase
- 606.G58 Glutamic-aspartic transaminase
- 606.G59 Glutathione transferase
- 606.G592 Glycogen phosphorylase
- 606.G6 Glycosyltransferases
- Kinase; Protein see QP606.P76
- 606.M48 Methyltransferases
- 606.P53 Phosphofructokinase
- 606.P55 Phosphotransferases
- 606.P76 Protein kinases
- 606.P78 Protein-tyrosine kinase
- 606.R48 Reverse transcriptase
- 606.R53 Ribonucleate nucleotidyltransferases. RNA polymerases
- 606.S85 Sulfotransferases
- 606.T44 Telomerase
- Transaminases see QP606.A43
- 606.T73 Transglutaminases
- 606.T75 Transketolase
- 606.U7 Uridine diphosphoglucuronosyltransferase
- Hydrolases
- 608 General works, treatises, and textbooks
- 609.A-Z Special, A-Z
- 609.A25 Acetylcholinesterase
- 609.A3 Adenosine triphosphatase
- 609.A38 Alanine aminopeptidase
- 609.A4 Alkaline phosphatase
- 609.A43 Allantoinase
- 609.A438 Amidases
- 609.A44 Aminopeptidases
- 609.A45 Amylase
- 609.A53 Angiotensin converting enzyme
- 609.A7 Arginase
- 609.A77 Arylsulphatases
- 609.A86 Aspartic proteinases
- 609.A88 Astacins
- 609.B46 Beta lactamases
- 609.C26 Calpain

	Animal biochemistry
	Special substances
	Organic substances
	Proteins, amino acids, etc.
	Enzymes
	Hydrolases
	Special, A-Z -- Continued
609.C3	Carboxypeptidase
609.C35	Cathepsin
609.C37	Cellulase
609.C38	Cellulose 1,4-beta-cellobiosidase
609.C39	Chitinase
609.C4	Cholinesterase
	Chymosin see QP609.R4
609.C45	Chymotrypsin
609.C6	Coagulase
609.C64	Collagenase
	Converting enzyme, Angiotensin see QP609.A53
609.C92	Cyclic nucleotide phosphodiesterases
609.C93	Cyclin-dependent kinases
609.C94	Cysteine proteinases
609.D4	Deoxyribonucleases
609.D48	Dextranase
	Diastase see QP609.A45
609.D52	Digestive enzymes
609.D54	Dipeptidases
	DNA restriction enzymes see QP609.R44
609.E38	Elastases
609.E4	Emulsin
609.E44	Endonucleases
609.E7	Erepsin
609.E8	Esterases
609.F7	Fructofuranosidase
	Fructose diphosphatase see QP609.H5
609.G3	Galactosidase
609.G38	Glucose-6-phosphatase
609.G4	Glucosidases
609.G44	Glycoasparaginase
609.G45	Glycosidases
609.G83	Guanosine triphosphatase
609.H5	Hexosediphosphatase
609.H8	Hyaluronidase
	Invertase see QP609.F7
609.K3	Kallikrein
	Lactamases, Beta see QP609.B46
	Lactase see QP609.G3
609.L43	Lecithinase

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Enzymes

Hydrolases

Special, A-Z -- Continued

- 609.L5 Lipase
- 609.L55 Lipolytic enzymes
- 609.L9 Lysozyme
- 609.N48 Neutral proteinases
- 609.N78 Nucleases
- 609.N8 Nucleosidases
- 609.P3 Papain
- 609.P35 Paraoxonase
- Pectinase see QP609.P6
- 609.P4 Pepsin
- 609.P45 Peptidases (Exopeptidases)
- 609.P5 Phosphatases
- 609.P52 Phosphatidate phosphatase
- 609.P53 Phosphodiesterase
- 609.P55 Phospholipase
- 609.P553 Phospholipase A2
- 609.P555 Phospholipase C
- 609.P56 Phosphoprotein phosphatases
- 609.P6 Polygalacturonase
- Proteases see QP609.P78
- 609.P75 Proteinases (Endopeptidases)
- 609.P78 Proteolytic enzymes
- 609.P85 Pullulanase
- 609.R38 Renin
- 609.R4 Rennin
- 609.R44 Restriction enzymes, DNA
- 609.R49 Rho GTPases
- 609.R53 Ribonucleases
- 609.S47 Serine proteinases
- 609.S63 Sodium-potassium ATPase
- 609.S93 Subtilisins
- 609.S95 Sulfatases
- Thrombin see QP93.5+
- 609.T7 Trypsin
- Trypsinogen see QP609.T7
- 609.U7 Urease
- Lyases
- 612 General works, treatises, and textbooks
- 613.A-Z Special, A-Z
- 613.A33 Adenylate cyclase

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Enzymes

Lyases

Special, A-Z -- Continued

613.A4

Aldolases

613.A75

Aromatic amino acid decarboxylase

Carbonate dehydratase see QP613.C37

613.C37

Carbonic anhydrase

Carboxylase see QP613.P9

613.E56

Enolase

613.G8

Guanylate cyclase

613.O75

Ornithine decarboxylase

613.P54

Phenylalanine ammonia lyase

Phosphopyruvate hydratase see QP613.E56

613.P9

Pyruvate decarboxylase

Isomerases

615

General works, treatises, and textbooks

616.A-Z

Special, A-Z

616.D54

DNA helicases

616.D56

DNA topoisomerases

616.P46

Peptidyloprolyl isomerase

616.P76

Protein disulfide isomerase

Ligases

618

General works, treatises, and textbooks

619.A-Z

Special, A-Z

619.A45

Aminoacyl-tRNA synthetases

619.D53

DNA ligases

619.G58

Glutamine synthetase

619.L9

Lysyl ribonucleic acid synthetase

619.P87

Pyruvate carboxylase

Nucleic acids

620

General works, treatises, and textbooks

Ribonucleic acids

623

General works, treatises, and textbooks

623.5.A-Z

Special, A-Z

623.5.A58

Antisense RNA

623.5.C36

Catalytic RNA

623.5.M47

Messenger RNA

623.5.S63

Small interfering RNA

623.5.T73

Transfer RNA

RNA-ligand interactions

623.7

General works

623.8.A-Z

Special ligands, A-Z

623.8.P75

Proteins

Animal biochemistry

Special substances

Organic substances

Nucleic acids -- Continued

Deoxyribonucleic acids

624

General works, treatises, and textbooks

624.5.A-Z

Special topics, A-Z

624.5.A57

Antisense DNA

624.5.C57

Circular DNA

624.5.D72

DNA fingerprinting

624.5.D726

DNA microarrays

624.5.D73

DNA probes

624.5.M46

Methylation

624.5.M58

Mitochondrial DNA

624.5.R33

Radiation effects

624.5.R48

Replication

624.5.S26

Satellite DNA

624.5.S73

Stability

624.5.S78

Structure

DNA-ligand interactions

624.74

General works, treatises, and textbooks

624.75.A-Z

Special ligands, A-Z

624.75.D77

Drugs

624.75.P74

Proteins

625.A-Z

Other related substances, A-Z

625.A25

Adenine nucleotides

625.A27

Adenosine

625.A29

Adenosine diphosphate ribose

625.A3

Adenosine triphosphate

625.A35

Adenylic acid

625.B76

Bromodeoxyuridine

625.D56

Binucleoside polyphosphates

625.I54

Inosine

625.N34

NAD (Coenzyme)

625.N8

Nuclein

625.N86

Nucleohistones

625.N87

Nucleoproteins

625.N88

Nucleosides

625.N89

Nucleotides

625.O45

Oligoadenylates

625.O47

Oligonucleotides

625.P74

Pseudouridine

625.P87

Purine nucleotides

625.P96

Pyridine nucleotides

625.Q33

Quadruplex nucleic acids

625.T75

Triple-helix-forming oligonucleotides

Animal biochemistry

Special substances

Organic substances -- Continued

Toxins and antitoxins

Cf. QR180+ Immunology

Cf. RM278 Immunotherapy

General works, treatises, and textbooks

Special, A-Z

631

632.A-Z

632.B3

632.B64

632.B66

632.C87

632.C9

632.D54

632.E4

632.I57

632.M37

632.M52

632.M9

632.P47

632.R43

632.S27

632.S65

632.T46

632.T75

632.V46

Bacterial toxins

Bombesin

Botulinum toxin

Cyanobacterial toxins

Cytochalasins

Digitoxin

Endotoxins

Insect venoms

Marine toxins. Marine venoms

Microbial toxins

Mycotoxins

Pertussis toxin

Recombinant toxins

Saxitoxin

Snake toxins. Snake venoms

Tetrodotoxin

Trichothecenes

Venom

Cf. QP632.I57 Insect venoms

Pigments

General works, treatises, and textbooks

Special, A-Z

670

671.A-Z

671.B5

671.B55

671.C3

671.C35

671.C45

671.C78

671.C8

671.C83

671.C85

671.F5

671.F52

671.H4

671.H45

671.I5

671.L52

671.M44

671.P6

Bile pigments

Bilirubin

Carotenes. Carotin

Carotenoids. Carotinoids

Chlorophyll

Cytochrome b

Cytochrome c

Cytochrome P-450

Cytochromes

Flavins

Flavonoids

Hematoporphyrin

Heme

Iodopsin

Lipofuscins

Melanin

Porphyrins

Animal biochemistry

Special substances

Organic substances

Pigments

Special, A-Z -- Continued

671.V5

Visual pigments

671.X3

Xanthopterin

Carbohydrates

701

General works, treatises, and textbooks

702.A-Z

Special, A-Z

702.A3

Agar

702.A35

Aglucones

702.A4

Amino sugars

702.A48

Amyloses

702.C5

Chitin

702.C55

Chondroitin sulfates

702.C8

Cyclitols

702.D38

Deoxy sugars

702.D4

Deoxyribose

702.F58

Fluorocarbohydrates

702.F68

Fructans

702.F7

Fructose

702.F73

Fructose-2,6-bisphosphate

702.G3

Galactose

702.G48

Glucans

702.G5

Glucides

702.G55

Glucosamine

702.G56

Glucose

702.G57

Glucuronic acid

702.G572

Glucuronides

702.G577

Glycoconjugates

702.G58

Glycogen

702.G59

Glycosides

702.H4

Heparin

702.H45

Hexosamines

702.H8

Hyaluronic acid

702.I45

Imino sugars

702.I5

Inositol see QP772.I5

702.L3

Inulin

702.M8

Lactose

702.O44

Mucopolysaccharides

702.P4

Oligosaccharides

702.P45

Pectins

702.P47

Pentoses

702.P6

Peptidoglycans

702.S28

Polysaccharides

Saponins

Animal biochemistry

Special substances

Organic substances

Carbohydrates

Special, A-Z -- Continued

702.S6

Sorbitol

702.S75

Starch

702.S8

Sucrose

702.S85

Sugars

702.X87

Xylans

702.X89

Xylitol

702.X9

Xylose

Lipids

Cf. TP676 Chemical technology of animal fats and oils

Cf. TX553.L5 Lipids as a food constituent

General works, treatises, and textbooks

Special, A-Z

751

752.A-Z

752.A25

Acetic acid

752.A5

Androstane

752.A7

Arachidonic acid

752.B54

Bile acids

Bile pigments see QP671.B5

752.C37

Ceramides

752.C4

Cerebrosides

Cholesterin see QP752.C5

752.C5

Cholesterol

752.C53

Cholesterol oxides

752.C55

Cholic acid

752.C6

Corticosteroids

752.C7

Croton oil

752.D54

Diglycerides

752.D63

Docosaheptaenoic acid

752.E53

Eicosanoids

752.E84

Essential fatty acids

752.F3

Fats

752.F35

Fatty acids

752.F57

Fish oils

752.G3

Gangliosides

752.G5

Glycerides

Glycerin see QP752.G55

752.G55

Glycerol

752.G56

Glycolipids

752.G58

Glycosphingolipids

752.I8

Isobutyric acid

Isopentenoids see QP752.T47

Isoprenoid compounds see QP752.T47

Animal biochemistry

Special substances

Organic substances

Lipids

Special, A-Z -- Continued

752.L4	Lecithin
752.L5	Linoleic acids
752.L515	Linolenic acids
752.L52	Lipoxins
752.L8	Lysolecithin
752.L83	Lysophospholipids acid
752.M45	Membrane lipids
752.M9	Myelin
752.O42	Olive oil
752.O44	Omega-3 fatty acids
752.O45	Omega-6 fatty acids
752.O89	Oxysterols
	Phosphatides see QP752.P53
752.P52	Phosphoinositides
752.P53	Phospholipids
752.P62	Platelet activating factor
752.P65	Polyketides
752.P69	Prostacyclin
	Prostaglandins see QP801.P68
752.P7	Protagon
752.P84	Pulmonary surfactant
752.S37	Saturated fatty acids
752.S6	Sphingolipids
	Steroid hormones see QP572.S7
752.S7	Steroids
752.S75	Sterols
752.T47	Terpenes. Isopentenoids. Isoprenoid compounds
752.T63	Trans fatty acids
752.T7	Tributylin
752.T74	Triglycerides
752.W3	Waxes

Vitamins

771	General works, treatises, and textbooks
772.A-Z	Special, A-Z
	Adermine see QP772.P9
772.A4	Aminobenzoic acids
	Aneurine see QP772.T5
	Antihemorrhage vitamin see QP772.V55
	Antipernicious anemia vitamin see QP772.C9
	Antirickets vitamin see QP772.V53
	Antiscurvy vitamin see QP772.A8
	Antisterility vitamin see QP772.T6

Animal biochemistry
Special substances
Organic substances
Vitamins

Special, A-Z -- Continued

- Antixerophthalmia vitamin see QP772.V5
- 772.A8 Ascorbic acid. Vitamin C
- 772.B5 Bioflavonoids. Vitamin P
- 772.B55 Biotin. Vitamin H
- 772.C3 Carnitine. Vitamin BT
- 772.C5 Choline
- 772.C9 Cyanocobalamine. Vitamin B12
- 772.E74 Ergocalciferol. Vitamin D2
- 772.F37 Fat-soluble vitamins
- 772.F6 Folacin see QP772.F6
- 772.F6 Folic acid. Vitamin M
- 772.I5 Inositol
- Lipoic acid see QP772.T54
- Niacin see QP772.N55
- Niacin amide see QP772.N5
- 772.N5 Nicotinamide. Vitamin PP
- 772.N55 Nicotinic acid. Niacin
- Nicotinic acid amide see QP772.N5
- 772.P3 Pangamic acid. Vitamin B15
- 772.P35 Pantothenic acid. Vitamin B5
- Pellagra preventive factor see QP772.N5
- Pteroylglutamic acid see QP772.F6
- 772.P9 Pyridoxine. Vitamin B6
- Retinol see QP772.V5
- 772.R5 Riboflavin. Vitamin B2
- 772.T5 Thiamine. Vitamin B1
- 772.T54 Thiocctic acid
- 772.T6 Tocopherol. Vitamin E
- 772.V5 Vitamin A
- 772.V52 Vitamin B complex
- Vitamin B1 see QP772.T5
- Vitamin B2 see QP772.R5
- Vitamin B5 see QP772.P35
- Vitamin B6 see QP772.P9
- Vitamin B12 see QP772.C9
- Vitamin B15 see QP772.P3
- Vitamin BT see QP772.C3
- Vitamin C see QP772.A8
- 772.V53 Vitamin D
- Vitamin D2 see QP772.E74
- Vitamin E see QP772.T6
- Vitamin G see QP772.R5

	Animal biochemistry
	Special substances
	Organic substances
	Vitamins
	Special, A-Z -- Continued
	Vitamin H see QP772.B55
	Vitamin K
	Vitamin K2
	Vitamin M see QP772.F6
	Vitamin P see QP772.B5
	Vitamin PP see QP772.N5
	Miscellaneous organic substances, A-Z
	Acetone
	Acids
	Alcohol
	Aldehydes
	Alkaloids
	Allantoin
	Amines
	Antibiotics
	Antimetabolites
	Antioxidants
	Antivitamins
	Aromatic compounds
	Aspartame
	Benzene
	Benzimidazoles
	Benzodiazepines
	Betaines
	Biogenic amines
	Biopolymers
	Caffeine
	Cannabis
	Carbolic acid
	Carbolines
	Carboxylic acids
	Catecholamines
	Cerebrin
	Chlorophenols
	Citrates
	Citric acid
	Coca see QP801.C68
	Cocaine
	Colchicine
	Colicins
	Complex compounds
	Creatine. Creatinine

772.V55
772.V56

801.A-Z
801.A25
801.A26
801.A3
801.A33
801.A34
801.A35
801.A48
801.A63
801.A65
801.A66
801.A67
801.A75
801.A84
801.B5
801.B52
801.B53
801.B55
801.B66
801.B69
801.C24
801.C27
801.C3
801.C3115
801.C312
801.C33
801.C4
801.C48
801.C63
801.C65

801.C68
801.C69
801.C7
801.C75
801.C8

Animal biochemistry

Special substances

Organic substances

Miscellaneous organic substances, A-Z -- Continued

- 801.C83 Crown ethers
- 801.C86 Cyclic adenylic acid
- 801.E28 Cynurenic acid see QP801.K8
- 801.F45 Ecstasy (Drug)
- 801.F5 Flavor components
- 801.F67 Fluorine organic compounds
- 801.F87 Formaldehyde
- 801.G47 Furylbenzimidazole
- 801.G57 Germanium organic compounds
- 801.G63 Glutaric acid
- (801.G74) Glycolic acid
- Growth factors
 - see QP552.G76
- 801.G8 Guanidine
- 801.G83 Guanidines
- 801.H34 Halogen organic compounds
- 801.H45 Hippuric acid
- 801.H5 Histamine
- 801.H78 Hydrazines
- 801.H9 Hydrocarbons
- 801.I4 Indican (metabolic product)
- 801.I43 Indocyanine green
- 801.I45 Indole
- Inositol see QP772.I5
- 801.I48 Insecticides
- Interleukins see QR185.8.I56
- 801.I55 Ionophores
- (801.I76) Isoprenoid compounds
 - see QP752.T47
- 801.K4 Ketones
- 801.K8 Kynurenic acid
- 801.L3 Lactic acid
- Leucomaines see QP801.P7
- 801.L47 Leukotrienes
- 801.L53 Lignans
- 801.L97 Lysergic acid diethylamide
- Macromolecules see QP801.P64
- Marijuana see QP801.C27
- Mercapto compounds. Thiols
- Metformin
- Methoxyhydroxyphenylglycol
- Methylxanthines
- Metiamide

Animal biochemistry

Special substances

Organic substances

Miscellaneous organic substances, A-Z -- Continued

801.M45	Mevalonic acid
	Milk, Human see QP246
801.N44	Neopterin
801.N48	Nicotine
801.N55	Nitrogen organic compounds
	Organo ...
	For compounds with names beginning "Organo..." the Cutter number is determined by the element or substance following this prefix
801.O74	Orotic acid
801.O8	Oxalic acid
801.P28	Pantethine
801.P36	Penicillin
801.P374	Pentoxifylline
801.P38	Pesticides
801.P39	Phenethylamines
801.P4	Phenols
801.P56	Phosphonic acids
801.P63	Phosphorus organic compounds
801.P634	Phytic acid
801.P636	Phytochemicals
801.P638	Polyamines
801.P639	Polycyclic aromatic hydrocarbons
801.P64	Polymers. Macromolecules
801.P643	Polyurethanes
801.P654	PQQ
801.P68	Prostaglandins
801.P686	Psoralens
801.P69	Pteridines
801.P7	Ptomaines. Leucomaines
801.P8	Purines
801.P85	Pyrimidines
801.P855	Pyrrolizidines
801.P86	Pyruvic acid
801.Q5	Quinones
801.R4	Reductones
801.R47	Retinoids
801.S4	Serotonin
801.S44	Shikimic acid
801.S47	Sialic acid
801.S79	Succinic acid
801.S85	Sulfonic acids
801.T3	Taurine

Animal biochemistry

Special substances

Organic substances

Miscellaneous organic substances, A-Z -- Continued

Tetrahydrocannabinol see QP801.C27

801.T4

Thiocyanates

Thiols see QP801.M37

801.T57

Tobacco

801.T6

Tolylenediamine

801.U24

Ubiquinones

801.U7

Urea

Vitamins see QP771+

801.X45

Xenobiotics

(901-981)

Experimental pharmacology

The Library of Congress has not classed new material on experimental pharmacology in these numbers since approximately 1981.

For works on the physiological effects of chemical substances on the animal body see QP501+

For works on experimental toxicology see RA1199+

For works on experimental pharmacology in general see RM301.25

(911-981)

Individual chemical substances

see QP525+ for the physiological effects of individual chemical substances on the animal body

For works on the physiological effects of drugs on the human body see RM300+

Microbiology

- 1 Periodicals, societies, congresses, serial publications
- 6 Collected works (nonserial)
- 9 Dictionaries and encyclopedias
- 11 Terminology, notation, abbreviations
- 12 Classification. Nomenclature
 - Cf. QR81 Bacteria
 - Cf. QR394 Viruses
- 13 Evolution
- History
 - 21 General works
 - 22.A-Z By region or country, A-Z
- Biography
 - 30 Collective
 - 31.A-Z Individual, A-Z
 - e.g.
 - 31.F5 Fleming, Alexander
 - 31.K6 Koch, Robert
 - Pasteur, Louis see Q143.P2
- General works, treatises, and textbooks
 - 41 Through 1969
 - 41.2 1970-
- By discipline
 - 46 Medical microbiology
 - Cf. QR67+ Diagnostic technique
 - Cf. QR171.A1+ Microorganisms in the animal body
 - Cf. RC109+ Infections and parasitic diseases
 - 46.5 Pharmaceutical microbiology
 - 47 Dental microbiology
 - Cf. RK325 Oral sepsis
 - 48 Sanitary microbiology
 - Cf. QR105+ Aquatic microbiology
 - Cf. TD1+ Sanitary engineering
 - Veterinary microbiology see SF780.2
 - 51 Agricultural microbiology
 - Cf. QR111+ Soil microbiology
 - Cf. QR121 Dairy microbiology
 - Cf. QR351 Microorganisms of plant diseases
 - Geomicrobiology see QR103
 - Industrial microbiology
 - Cf. QR115+ Food microbiology
 - Cf. QR135+ Microbial degradation
 - Cf. QR151+ Microorganisms of fermentation
 - Cf. TP248.27.M53 Microbial biotechnology
 - General works, treatises, and textbooks
 - By industry or products, etc., A-Z
 - Alloys

- By discipline
 - Industrial microbiology
 - By industry or products, etc., A-Z -- Continued
 - 53.5.C73 Coal
 - 53.5.C76 Cosmetics
 - 53.5.P48 Petroleum
 - 53.5.R34 Railroads
 - Including railroad tracks, railroad ties, railroad beds, etc.
- 54 Pictorial works and atlases
- 56 Popular works
- 57 Juvenile works
- 58 Addresses, essays, lectures
- 60 Special aspects of the subject as a whole
- Study and teaching. Research
 - 61 General works
 - 61.5 Problems, exercises, examinations
 - 61.7 Experiments
 - 62 Outlines, syllabi
 - 63 Laboratory manuals
- Laboratories
 - Cf. R108 Medical laboratories
 - 64.A1 General works
 - 64.A3-Z By region or country, A-Z
 - Subarrange each country by Table Q6
 - 64.5 Culture collections
 - 64.7 Safety measures
 - 64.8 Quality control
- Technique
 - 65 General works
 - Culture technique
 - 66 General works
 - 66.3 Culture media
 - 66.4 Continuous culture
 - Diagnostic technique
 - 67 General works
 - 67.2 Diagnostic bacteriology
 - Microscope technique
 - Cf. QH201+ Microscopy
 - 68 General works
 - 68.5.A-Z Special, A-Z
 - 68.5.E45 Electron microscopy
 - Special topics, A-Z
 - 69.A-Z
 - 69.A56 Anti-infective agent testing
 - 69.A57 Antibiotic testing
 - Antiinfective agent testing see QR69.A56
 - 69.A88 Automation
 - 69.B53 Bioluminescence assay

Technique

Special topics, A-Z -- Continued

- 69.C3 Cataphoresis
- 69.C79 Cryopreservation
- 69.D35 Data processing
- 69.D48 Disintegration
- 69.D54 DNA probes
- 69.E43 Electric impedance measurement
- 69.E58 Enzyme-linked immunosorbent assay
- 69.F56 Flow cytometry
- 69.F7 Freeze-drying. Drying
- 69.G27 Gas chromatography
- 69.H54 High performance liquid chromatography
- 69.M33 Mass spectrometry
- 69.M48 Microbiological assay
- 69.M5 Micrurgy
- 69.N83 Nuclear magnetic resonance spectroscopy
- 69.P6 Population counts
- 69.S7 Staining
- 69.S75 Sterilization
- 69.V53 Viability counts
- 71 Laboratory equipment
- 72 Statistical methods
- 72.5 Handbooks, manuals, etc.
- Microbial genetics see QH434
- 73 Diversity and variation
 - Cf. QR392 Virus variation
- 73.4 Development
- 73.5 Differentiation
- 73.6 Aggregation
- 73.7 Cell cycle
- 73.8 Microbial populations
- 74 Molecular microbiology
- 74.5 Protista
 - Cf. QK564+ Algae
 - Cf. QK600+ Fungi
 - Cf. QK635.A1+ Slime molds
 - Cf. QL366+ Protozoa
- Bacteria
- 74.8 General works
- Morphology. Ultrastructure
- 75 General works
- 75.3 Size
- 75.5 Shape
- 76 Protoplasm
- 76.3 Protoplasts
- 76.5 Nuclear materials

Bacteria

Morphology. Ultrastructure -- Continued

- 76.6 Plasmids
- 76.7 Pigments
- 77 Cell membranes
- Cell walls
- 77.3 General works
- 77.35 Cell surfaces
- 77.5 Capsules. Slime layers
- 78 Flagella
- 78.5 Pili
- 79 Spores
- 79.5 Colonies
- 80 Terminology, notation, abbreviations
- 81 Classification. Nomenclature
- 81.5 Catalogs and collections
- 81.7 Evolution
- 82.A-Z Systematic divisions. By family or higher taxa, A-Z
 - Class individual genera under the family.
 - For unassigned genera and species see QR82.Z9
 - For bacteria of specific diseases see QR201.A+
- 82.A3 Achromatiaceae
- 82.A35 Actinomycetaceae
- 82.A355 Actinoplanaceae
- 82.A43 Aeromonadaceae
- 82.A69 Archaeobacteria
- 82.A9 Azotobacteraceae
- 82.B3 Bacillaceae
- 82.B35 Bacteroidaceae
- 82.B4 Beggiatoaceae
- 82.B95 Brucellaceae
- 82.C35 Chlamydiaceae
- 82.C4 Chlorobiaceae
- 82.C45 Chromatiaceae
- 82.C6 Corynebacteriaceae
- 82.C88 Cystobacteraceae
- 82.C9 Cytophagaceae
- 82.D37 Deinococcaceae
- 82.D4 Dermatophilaceae
- 82.E6 Enterobacteriaceae
- 82.F7 Frankiaceae
- 82.L3 Lactobacillaceae
- 82.L4 Leucotrichaceae
- 82.M38 Methylobacteriaceae
- 82.M4 Methylomonadaceae
- 82.M5 Micrococcaceae
- 82.M55 Micromonosporaceae

Systematic divisions. By family or higher taxa, A-Z -- Continued

82.M8	Mycobacteriaceae
82.M95	Myxococcaceae
82.N4	Neisseriaceae
82.N5	Nitrobacteraceae
82.N6	Nocardiaceae
82.P25	Pasteurellaceae
82.P44	Pelonemataceae
82.P45	Peloplocaceae
82.P47	Peptococcaceae
82.P6	Polyangiaceae
82.P7	Propionibacteriaceae
82.P78	Pseudomonadaceae
82.R45	Rhizobiaceae
82.R46	Rhodospirillaceae
82.R47	Rhodospirillales
82.S5	Simonsiellaceae
82.S6	Spirillaceae
82.S7	Spirochaetaceae
82.S78	Streptococcaceae
82.S8	Streptomycetaceae
82.T7	Treponemataceae
82.V4	Veillonellaceae
82.V53	Vibrionaceae
82.Z9	Genera and species as yet unassigned (not A-Z)
	Physiology
84	General works
	Growth
	Cf. QR66+ Culture technique
84.5	General works
84.7	Psychrophilic bacteria
84.8	Thermophilic bacteria
86	Nutrition
86.5	Reproduction
	Metabolism
88	General works
88.2	Autotrophy
88.3	Biosynthesis
88.4	Methylotrophy
88.5	Photosynthesis
	Cf. QK882 Plant physiology
88.7	Chemoautotrophy
	Respiration
89	General works
89.5	Anaerobic
89.7	Nitrogen fixation
	Cf. TP245.N8 Chemical engineering

Bacteria

Physiology

Metabolism -- Continued

90	Enzymes
92.A-Z	Other substances, A-Z
92.A3	Acetic acid
92.A49	Alkanes
92.A6	Amino acids
92.B3	Bacteriocins
92.B7	Branched chain amino acids
92.C27	Calcium
92.C3	Carbohydrates
92.C33	Carbon dioxide
92.C55	Chlorinated aromatic compounds
92.C57	Citric acid
92.C74	Creatine
92.D45	Deoxyribonucleic acid. DNA
	DNA see QR92.D45
92.F3	Fatty acids
92.F87	Furans
92.G35	Galactose
92.G5	Glucose
92.H6	Hormones
92.H8	Hydrogen
92.I4	Immunoglobulin-binding proteins
92.I7	Iron
92.L5	Lipids
92.M45	Metals
92.M46	Methane
92.M47	Methyl groups
92.M5	Minerals
92.N5	Nicotinic acid
92.N6	Nitrogen
92.N8	Nucleic acids
92.N82	Nucleotides
	Oxygen see QR89+
92.P37	Peptides
92.P39	Peptidoglycans
92.P4	Phenols
92.P45	Phosphates
92.P58	Poly-beta-hydroxyalkanoates
92.P59	Polymers
92.P6	Polysaccharides
92.P7	Propionic acid
	Protein A, Staphylococcal see QR92.S68
92.P75	Proteins
92.P87	Purines

	Bacteria
	Physiology
	Metabolism
	Other substances, A-Z -- Continued
92.S3	Salts
92.S53	Siderophores
92.S68	Staphylococcal protein A
92.S7	Steroids
92.S79	Sugars
92.S8	Sulfur
92.V5	Vitamins
92.X35	Xanthan gum
93	Anhydrobiosis
94	Heat production
95	Light production
96	Motility. Irritability
96.5	Interaction. Communication
96.8	Adhesion
	Environmental factors
97.A1	General works
97.A2-Z	By factor, A-Z
97.A3	Acidity. Alkalinity. Hydrogen-ion concentration
	Alkalinity see QR97.A3
97.A57	Anti-infective agents
97.A58	Antibiotics
97.B32	Bactericides
97.C3	Carbon dioxide
97.C5	Chemicals
97.E5	Electrolytes
97.H4	Heat
	Hydrogen-ion concentration see QR97.A3
97.L5	Light
97.M34	Magnetism
(97.M6)	Moisture
	see QR97.W37
97.O8	Oxygen
97.P47	Pesticides
97.P7	Pressure
97.R3	Radiation
97.S3	Salinity
97.T4	Temperature
	Cf. QR84.7 Psychrophilic bacteria
	Cf. QR84.8 Thermophilic bacteria
97.W37	Water. Moisture
97.X46	Xenobiotics

Bacteria -- Continued

Antibiosis

- Cf. QP801.A63 Biochemistry of antibiotics
- Cf. QR69.A57 Testing
- Cf. QR175 Virulence
- Cf. RM265+ Antibiotic therapy
- Cf. RM666.A+ Pharmacology of individual antibiotic drugs
- Cf. RS431.A6 Pharmaceutical chemistry of antibiotics

99

General works

99.5

Resistance

Cyanobacteria

99.6

Periodicals. Serials

99.62

Congresses

99.63

General works, treatises, and textbooks

99.64

Pictorial works and atlases

99.65

Popular works

99.66

Juvenile works

99.67

Classification. Nomenclature

99.69.A-Z

Special topics, A-Z

99.69.B55

Blooms

Cyanobacterial blooms see QR99.69.B55

99.7.A-Z

Systematic divisions. By family, A-Z

99.7.E57

Entophysalidaceae

99.7.N67

Nostocaceae

99.7.O82

Oscillatoriaceae

99.7.S39

Scytonemataceae

99.7.S85

Stigonemataceae

99.8.A-Z

By region or country, A-Z

Microbial ecology

100

General works, treatises, and textbooks

100.8.A-Z

By type of relationship, A-Z

100.8.B55

Biofilms

100.8.C65

Competition

100.8.D46

Denitrification

Including denitrifying bacteria

100.8.M37

Mats

100.8.S9

Symbiosis

By type of environment

100.9

Extreme environments (General)

101

Air and dust

103

Geomicrobiology. Microbial effect on geological processes

Water. Aquatic microbiology

105

General works

105.5

Freshwater

Cf. TD384 Water supply analysis

Seawater. Marine microbiology

- Microbial ecology
 - By type of environment
 - Water. Aquatic microbiology
 - Seawater. Marine microbiology -- Continued
 - 106 General works
 - 106.5 Hydrothermal vents
 - 107 Hot springs. Calderas
 - Soil
 - Including soil fungi
 - Cf. QK604.2.M92 Mycorrhizal fungi
 - 111 General works
 - 113 Root nodules
 - Cf. S652 Soil inoculation
 - Foods
 - Cf. TP371.2+ Preservation in food processing
 - Cf. TX599+ Food preservation in the home
 - 115 General works
 - 116 Eggs
 - 117 Meat
 - 118 Fish. Shellfish
 - 119 Breads. Cereals
 - 121 Dairy products
 - Cf. SF253 Milk analysis
 - 122 Fruit. Vegetables (General)
 - 123 Canned foods
 - 129.A-Z Other food products, A-Z
 - 129.B44 Beer
 - 129.C6 Corn oil
 - 129.F7 Fruit juice
 - 129.S8 Sugar
 - 129.T65 Tomatoes
 - 130 Space microbiology
 - Pathogenic fungi see QR245+
 - Microbial degradation
 - 135 General works
 - 135.5.A-Z Special substances, A-Z
 - 135.5.C65 Compost
 - 135.5.M37 Metals
 - 148 Microbiological chemistry
 - Cf. QK861+ Plant biochemistry
 - Cf. QP501+ Animal biochemistry
 - Cf. QR88.3 Bacterial biosynthesis
 - Cf. QR467 Biochemistry of viruses
 - Microorganisms of fermentation. Yeasts, etc.
 - Including diseases of wine and beer
 - Cf. TP371.44 Preserving food by fermentation
 - Cf. TP568+ Brewing

- 151
(155) Microorganisms of fermentation. Yeasts, etc. -- Continued
General works
Yeasts and yeastlike fungi in the body
see QR171
- 160 Microorganisms of cellulose and other plant products
Microorganisms in the animal body
Cf. QR201.A+ Pathogenic microorganisms
Cf. QR245+ Pathogenic fungi
Cf. QR301+ Pathogenic fungi
Cf. RM666.P835 Probiotics
- 171.A1 General works, treatises, and textbooks
171.A2-Z By organ or system, etc., A-Z
171.A43 Alimentary canal
171.B5 Blood
171.E9 Eye
171.F4 Feces. Manure
171.F45 Female generative organs
171.G29 Gastrointestinal system
171.G4 Generative organs
Generative organs, Female see QR171.F45
171.G47 Germplasm
171.I6 Intestines
171.L8 Lungs
Manure see QR171.F4
Mouth see QR47
171.N3 Nasopharyngeal system
171.R85 Rumen
171.S5 Skin
171.S8 Stomach
Teeth see QR47
171.U7 Urinary system
175 Virulence. Pathogenic action in general
Cf. QP631+ Toxins (Animal biochemistry)
- 177 Drug resistance
Immunology
Cf. QL362.85 Invertebrates
Cf. QL638.97 Fishes
Cf. QP252.5 Reproductive immunology
Cf. QP356.47 Neuroimmunology
Cf. RA638 Public health
Cf. RC581+ Immunologic diseases
Cf. RG557 Obstetrics
Cf. RM270+ Immunotherapy
Cf. RM370+ Immunopharmacology
Cf. SF757.2+ Veterinary immunology
- 180 Periodicals, societies, serial publications
180.2 Collected works (nonserial)

	Immunology -- Continued
180.3	Congresses
180.4	Dictionaries and encyclopedias
	Biography
180.7	Collective
180.72.A-Z	Individual, A-Z
181	General works, treatises, and textbooks
181.5	Addresses, essays, lectures
181.7	Popular works
181.8	Juvenile works
182	Special aspects of the subject as a whole
182.2.A-Z	Special topics, A-Z
182.2.A54	Animal models
	Including specific animal models
182.2.C65	Computer simulation
182.2.E94	Evolution
182.2.I46	Immunoinformatics
182.2.M36	Mathematical models
182.2.N86	Nutritional aspects
	Space flight see RC1151.I45
182.2.S7	Statistical methods
	Study and teaching. Research
182.5	General works
182.55	Outlines, syllabi
182.6	Problems, exercises, examinations
	Laboratory methods
	For specific tests see QR187.A2+
183	General works
183.2	Tracers
183.5	Immunotechnology
183.6	Immunochemistry
	Cf. QR187.I45 Immunocytochemistry
183.8	Immunotaxonomy
	Immunogenetics
184	General works
184.2	Human immunogenetics
	Histocompatibility. H-2 locus
184.3	General works
184.315	Major histocompatibility complex
184.32	HLA antigens
	Minor histocompatibility antigens
184.34	General works
184.35	H-Y antigen
184.4	Ir genes. Ia antigens
184.5	Developmental immunology
184.6	Phylogeny of the immune system
	Types of immunity

Immunology

Types of immunity -- Continued

- 185.2 Natural
- Acquired
- 185.3 General works
- 185.33 Maternally acquired immunity
- 185.35 Immunologic memory
- 185.4 Humoral
- 185.5 Cellular
- 185.6 Molecular aspects. Molecular immunology

Immune structures

- 185.7 General works
- 185.8.A-Z By type, A-Z
 - Antibody-drug conjugates see RS201.A56
 - 185.8.A58 Antibody-toxin conjugates
 - 185.8.A59 Antigen presenting cells
 - 185.8.B15 B cells
 - 185.8.B54 Biological response modifiers
 - 185.8.C45 Chemokines
 - 185.8.C6 Complement
 - Cf. QR187.C6 Complement fixation
 - 185.8.C95 Cytokines
 - 185.8.D45 Dendritic cells
 - 185.8.E58 Eosinophils
 - Cf. QP95.3 Physiology
 - 185.8.F33 Fc receptors
 - 185.8.G4 Germinal centers
 - 185.8.G73 Granulocytes
 - Cf. QP95.4 Physiology
 - 185.8.H93 Hybridomas
 - Cf. QH451 Cell fusion
 - 185.8.I45 Immune complexes
 - 185.8.I56 Interleukins
 - Including interleukin-1, interleukin-2, etc.
 - 185.8.K54 Killer cells
 - 185.8.L35 Langerhans cells
 - 185.8.L48 Leucocytes
 - Cf. QP95+ Physiology
 - 185.8.L49 Leukolysins
 - 185.8.L9 Lymphocytes
 - 185.8.L93 Lymphokines
 - 185.8.M28 Macrophage migration inhibitory factor
 - 185.8.M3 Macrophages
 - 185.8.M35 Mast cells
 - 185.8.M36 Mathematical models
 - 185.8.N47 Neutrophils

Immunology

Immune structures

By type, A-Z

185.8.O7

Opsonin

Cf. QR187.P4 Phagocytosis

185.8.P45

Phagocytes

Cf. QR187.P4 Phagocytosis

185.8.P58

Platelets

Cf. QP97+ Physiology

185.8.S65

Spleen

185.8.S96

Suppressor cells

185.8.T2

T cells

185.8.T24

Th cells

Thrombocytes see QR185.8.P58

185.8.T48

Thymus

185.8.T67

Transfer factor

Cf. RM282.T7 Therapeutic use

185.8.T7

Trophoblast

185.8.T84

Tumor necrosis factor

185.9.A-Z

By organ or system, etc., A-Z

185.9.G37

Gastrointestinal system

185.9.L58

Liver

185.9.M83

Mucous membrane

185.95

Immune recognition

Immune response

Class here works on the mechanism of immune response in humans or laboratory animals

For works on the immunology of specific animals or groups of animals, other than laboratory animals, see the systematic divisions in QL. For works on the immune response to particular diseases or parasites, see the disease or parasite in R or SF

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General works

186.3

Idiotypic networks

Antigens

186.5

General works

186.6.A-Z

By type, A-Z

186.6.B33

Bacterial antigens

Blood group antigens see QP98

186.6.C37

Carbohydrates

186.6.C42

CD antigens

Including CD23 antigen, CD26 antigen, etc.

186.6.C44

Cell surface antigens

186.6.F85

Fungal antigens

186.6.G73

Granulocyte antigens

H-Y antigen see QR184.35

186.6.H3

Haptens

	Immunology
	Antigens
	By type, A-Z -- Continued
186.6.H42	Heat shock proteins
	Histocompatibility antigens see QR184.3+
	HLA antigens see QR184.32
186.6.L94	Lysozyme
186.6.P38	Parasite antigens
186.6.P76	Proteins
186.6.S64	Spermatozoa
186.6.S94	Superantigens
186.6.S95	Synthetic antigens
186.6.T48	Thy-1 antigen
186.6.T57	Tissue-specific antigens
186.6.T6	Toxins
186.6.T65	Toxoids
	Tumor antigens see QR188.6
186.6.V57	Viral antigens
	Antibodies. Immunoglobulins
186.7	General works
186.8.A-Z	By type, A-Z
186.8.A2	IgA. Immunoglobulin A
186.8.D2	IgD. Immunoglobulin D
186.8.E2	IgE. Immunoglobulin E
186.8.G2	IgG. Immunoglobulin G
186.8.M2	IgM. Immunoglobulin M
	Autoantibodies
186.82	General works
186.83.A-Z	By type, A-Z
186.83.P48	Phospholipid antibodies
186.83.R48	Rheumatoid factor
186.85	Monoclonal antibodies
	Cf. RM282.M65 Therapeutic use
186.87	Recombinant antibodies
186.9	Specificity
	Antigen-antibody reactions
	Class tests with type of reaction
	General works, treatises, and textbooks
187.A1	By type, A-Z
187.A2-Z	
187.A3	Agglutination
187.A8	Autolysis
187.B3	Bacteriolysis
187.C48	Chemiluminescence immunoassay
187.C6	Complement fixation
187.C65	Conglutination
187.D3	Danysz phenomenon
187.F58	Fluorescent antigen technique

Immunology

Antigen-antibody reactions

By type, A-Z -- Continued

- 187.H38 Hemagglutination tests
- 187.H4 Hemolysis
- 187.H45 Hemolytic plaque technique
- 187.H57 Histocompatibility testing
- 187.I44 Immunoabsorption
- 187.I45 Immunocytochemistry
- 187.I46 Immunodiffusion
- 187.I47 Immunoelectrophoresis
- 187.I48 Immunofluorescence
- 187.I482 Immunogold labeling
- 187.I486 Immunophenotyping
- 187.L47 Leucocyte adherence inhibition test
- 187.P4 Phagocytosis
- 187.P7 Precipitation
- 187.S4 Sedimentation
- 187.3 Adjuvants
- 187.4 Chemotaxis
- 187.5 Interferons
- 188 Hypersensitivity. Allergy
 - Cf. RC583+ Diseases
- 188.3 Autoimmunity
 - For autoantibodies see QR186.82+
 - Cf. RC600 Autoimmune diseases
- 188.35 Immunodeficiency
 - Cf. RC606+ Medicine
 - Cf. RJ387.D42 Pediatrics
- 188.4 Tolerance
- Immunosuppression
 - 188.45 General works
 - 188.46 Virus-induced immunosuppression
- 188.5 Radiation immunology
- 188.6 Tumor immunology
 - Cf. RC268.3 Immunological aspects
- 188.8 Transplantation immunology
 - Cf. QP89 Physiology of the tissues
 - Cf. RD120.6+ Surgery
- Vaccines
 - Cf. RA638 Vaccination in public health
 - Cf. RM281 Vaccinotherapy
- 189 General works, treatises, and textbooks
- 189.2 Synthetic vaccines
- 189.5.A-Z By disease or type, A-Z
 - 189.5.A33 AIDS (Disease)
 - 189.5.A56 Anti-idiotypic

	Immunology
	Vaccines
	By disease or type, A-Z -- Continued
189.5.B33	Bacterial diseases
	BGC vaccine see QR189.5.T72
189.5.C45	Chickenpox
189.5.D53	DNA vaccines
189.5.E5	Encephalitis
189.5.E53	Enterobacterial vaccines
189.5.H46	Hepatitis
189.5.H48	Herpesvirus disease
189.5.I5	Influenza
189.5.M34	Malaria
189.5.M4	Measles
189.5.N48	Newcastle disease
189.5.P36	Papillomavirus
189.5.P46	Pertussis
189.5.P54	Pleuropneumonia
189.5.P58	Pneumococcal infections
189.5.P6	Poliomyelitis
189.5.P76	Protozoan diseases
189.5.R3	Rabies
189.5.R8	Rubella
189.5.S48	Sexually transmitted diseases
189.5.S6	Smallpox
	Tuberculosis
189.5.T7	General works
189.5.T72	BCG vaccine
189.5.T9	Typhoid
189.5.V5	Virus diseases
201.A-Z	Pathogenic microorganisms. By disease, A-Z
201.A16	Acinetobacter infections
201.A2	Actinomycosis
201.A27	Adenovirus diseases
201.A3	Adiaspiromycosis
201.A35	African swine fever
201.A37	AIDS (Disease). HIV infections
201.A55	Amebiasis
201.A57	Anaerobic infections
201.A6	Anthrax
201.A72	Arbovirus infections
201.A74	Arenavirus diseases
201.A85	Aspergillosis
201.B318	Babesiosis
201.B32	Bacteremia
201.B34	Bacterial diseases
201.B37	Bartonella infections

Pathogenic microorganisms. By disease, A-Z -- Continued

201.B55	Blastomycosis
201.B66	Borna disease
	Borreliosis see QR201.R45
201.B7	Botulism
201.B74	Bovine spongiform encephalopathy
201.B8	Brucellosis. Undulant fever
201.C25	Campylobacter infections
(201.C26)	Campylobacter pylori infections see QR201.H44
	Cancer see QR201.T84
201.C27	Candidiasis
201.C29	Chagas' disease
201.C47	Chlamydia infections
201.C5	Cholera
201.C54	Clostridium diseases
201.C58	Coccidioidomycosis
201.C59	Coccidiosis
201.C6	Conjunctivitis
201.C65	Coxsackievirus infections
201.C9	Cystitis
201.C94	Cytomegalovirus infections
201.D4	Diarrhea
	Diarrhea, Viral see QR201.V53
201.D5	Diphtheria
201.D6	Diphtheroid organisms
201.D9	Dysentery. Bacillary dysentery
201.E16	Ebola virus disease
201.E2	Edema, Malignant
201.E45	Ehrlichiosis
201.E6	Endocarditis, Bacterial
201.E64	Enterococcal infections
201.E75	Epstein-Barr virus diseases
201.E82	Escherichia coli infections
201.F6	Food poisoning Cf. QR201.B7 Botulism
201.F62	Foodborne diseases
201.F63	Foot-and-mouth disease
201.G45	Giardiasis
201.G5	Glanders
201.G7	Gonorrhea
201.G76	Gram-positive bacterial infections
201.H22	Haemophilus infections
201.H24	Hantavirus infections
201.H44	Helicobacter pylori infections
201.H46	Hepatitis, Viral
201.H48	Herpesvirus infections

Pathogenic microorganisms. By disease, A-Z -- Continued

	HIV infections see QR201.A37
201.H7	Hog cholera
201.H86	HTLV infections
201.I6	Influenza
	Jaundice see QR201.L6
201.L44	Legionnaires' disease
201.L5	Leprosy
201.L6	Leptospirosis. Jaundice
201.L64	Leukemia
201.L7	Listeriosis
201.L88	Lyme disease
201.L9	Lymphocytic choriomeningitis
201.M3	Malaria
	Malignant edema see QR201.E2
201.M4	Mastitis
201.M43	Measles
201.M6	Meningitis
201.M73	Microsporidiosis
201.M96	Mycobacterial diseases
201.M97	Mycoplasma diseases
201.M98	Mycotoxicoses
201.N4	Necrosis
201.N45	Neisseria infections
201.N5	Newcastle disease
201.O6	Oidiomycosis
201.O8	Osteomyelitis
201.P26	Papillomavirus diseases
201.P27	Parasitic diseases
201.P28	Paratuberculosis
201.P3	Paratyphoid fever
201.P33	Parvovirus infections
201.P4	Peritonitis
201.P45	Picornavirus infections
201.P5	Plague
201.P7	Pneumococcal pneumonia
201.P73	Poliomyelitis
201.P732	Polyomavirus infections
201.P733	Porphyromonas gingivalis infections
201.P737	Prion diseases
201.P74	Pseudomonas aeruginosa infections
201.P75	Pseudotuberculosis
201.P8	Psittacosis
201.Q2	Q fever
201.R3	Rabies
201.R45	Relapsing fever. Borreliosis
201.R47	Retrovirus infections

Pathogenic microorganisms. By disease, A-Z -- Continued

- 201.R5 Rheumatic fever
- 201.R53 Rheumatism
- 201.R59 Rickettsial diseases
- Rocky Mountain spotted fever see QR201.S65
- 201.R67 Rotavirus infections
- 201.S25 Salmonella infections
- 201.S27 Sarcocystosis
- 201.S3 Scarlatina
- 201.S35 Schistosomiasis
- 201.S47 Serratia diseases
- 201.S55 Shigellosis
- 201.S6 Smallpox
- 201.S65 Spotted fever, Rocky Mountain
- 201.S68 Staphylococcal infections
- 201.S7 Streptococcus infections
- 201.S9 Syphilis
- 201.T3 Tetanus
- 201.T5 Torulosis
- 201.T53 Toxoplasmosis
- 201.T54 Trachoma
- 201.T55 Trichomoniasis
- 201.T6 Tuberculosis
- 201.T8 Tularemia
- 201.T84 Tumors. Cancer
- 201.T9 Typhoid fever
- 201.T95 Typhus fever
- Undulant fever see QR201.B8
- 201.V53 Viral diarrhea
- Viral hepatitis see QR201.H46
- 201.V55 Virus diseases
- 201.W6 Whooping cough
- 201.Y4 Yellow fever
- 201.Y45 Yersinia infections

Medical mycology. Pathogenic fungi

- Class here general works only
- For particular fungi see QK621+
- Cf. QK604.2.P45 Phytopathogenic fungi
- Cf. RC117.A+ Mycotic diseases
- Cf. SB733 Fungus diseases of plants
- Cf. SF780.7 Veterinary mycology
- 245 General works
- 248 Diagnostic mycology

Medical parasitology

Class here general works only

For particular protozoa see QL368.A115+

For pathogenic microorganisms see QR201.A+

Cf. QR201.P27 Parasitic diseases

Cf. RC118+ Spirochetal and protozoan diseases

Cf. SF781+ Veterinary medicine

251

General works

255

Diagnostic parasitology

Microorganisms of animals

Cf. QR171.A1+ Microorganisms in the animal body

Cf. SF951+ Diseases of special classes of animals

301

General works

Vertebrates

For domestic animals see SF780.2

302

General works

Humans see QR46

303

Mammals

311

Birds

314

Amphibians

315

Reptiles

321

Fishes

Cf. SF458.5 Aquarium fish diseases

Cf. SH171+ Diseases and pests of fish

Invertebrates

325

General works

327

Insects

330

Poikilotherms

Microorganisms of microorganisms

340

General works

Bacteriophages

342

General works

342.2.A-Z

Individual phages or groups of phages, A-Z

342.2.F37

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342.2.I43

IKe

342.2.M82

Mu

342.2.T14

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351

Microorganisms of plants

Cf. SB621+ Microbial diseases of plants

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352

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352.5.A-Z

Systematic divisions. By family, A-Z

352.5.A3

Acholeplasmataceae

352.5.M9

Mycoplasmataceae

Rickettsias

353

General works

- Rickettsias -- Continued
- 353.5.A-Z Systematic divisions. By family, A-Z
- 353.5.A5 Anaplasmataceae
- 353.5.B3 Bartonellaceae
- (353.5.C4) Chlamydiaceae
 - see QR82.C35
- 353.5.R5 Rickettsiaceae
- Virology
 - Cf. QR201.V55 Virus diseases
 - Cf. SF780.4 Veterinary virology
 - Cf. TD427.V55 Viral pollution of water
- 355 Periodicals, societies, congresses, serial publications
- 357 Collected works (nonserial)
- 358 Dictionaries and encyclopedias
- History
 - 359 General works
- 359.5.A-Z By region or country, A-Z
- Biography
 - 359.7 Collective
 - 359.72.A-Z Individual, A-Z
- 360 General works, treatises, and textbooks
- 363 Pictorial works and atlases
- 364 Popular works
- 365 Juvenile works
- 368 Addresses, essays, lectures
- 370 Special aspects of the subject as a whole
- 372.A-Z Special topics, A-Z
 - Bacteriophages see QR342+
 - 372.M32 Macromolecules
 - 372.O58 Oncogenic DNA viruses
 - 372.O6 Oncogenic viruses
 - Cf. QR201.T84 Tumors
- Study and teaching. Research
 - 375 General works
 - 376 Laboratory manuals
- Laboratories
 - 380.A1 General works
 - 380.A3-Z By region or country, A-Z
 - Subarrange each country by Table Q6
 - 383 Culture collections
- Technique
 - 385 General works
 - 385.5 Isolation
 - 386 Culture technique
 - 387 Diagnostic technique
 - 387.5 Electron microscopy. Ultrastructural studies
 - 388 Counting and measuring

Virology -- Continued

Statistical methods see QR72

389 Molecular virology

392 Variation

Cf. QH434 Microbial genetics

393 Terminology, notation, abbreviations

394 Classification. Nomenclature

Systematic divisions

For classification for viruses of specific diseases see
QR201.A+

394.5 DNA viruses

Cf. QR372.O58 Oncogenic DNA viruses

395 RNA viruses

396 Adenoviruses

398 Arboviruses

398.5 Baculoviruses

398.6 Bromoviridae

398.7 Bunyaviruses

398.8 Caliciviruses

399 Coronaviruses

Herpesviruses

400 General works

400.2.A-Z Special, A-Z

400.2.E68 Epstein-Barr virus

400.2.H47 Herpes simplex virus

400.2.V37 Varicella-zoster virus

401 Iridoviruses

401.5 Luteoviridae. Luteoviruses

402 Mosaic viruses

403 Nidoviruses

For coronaviruses see QR399

404 Orthomyxoviruses. Myxoviruses

Paramyxoviruses

404.15 General works

404.2.A-Z Special, A-Z

404.2.N55 Nipah virus

404.2.S45 Sendai virus

Orthopoxviruses

405 General works

405.2.A-Z Special, A-Z

405.2.B83 Buffalopox virus

Papillomaviruses. Polyomaviruses

406 General works

406.2.A-Z Special, A-Z

406.2.S56 Simian virus 40. SV40

SV40 see QR406.2.S56

Parvoviruses. Picodnaviruses

Virology

Systematic divisions

Parvoviruses. Picodnaviruses -- Continued

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408.2.A-Z

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408.2.C35

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410.2.A-Z

Special, A-Z

410.2.E55

Enteroviruses

410.2.R45

Rhinoviruses

Polyomaviruses see QR406+

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Potyviridae. Potyviruses

412

Poxviruses

414

Reoviruses

Retroviruses

414.5

General works

414.6.A-Z

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414.6.F6

Foamy viruses

414.6.H58

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415

Rhabdoviruses

415.5

Togaviruses

416.A-Z

Other groups of viruses, A-Z

416.C35

California group viruses

416.R8

Rubella viruses

Viruses of particular hosts see QR301+

Viruses of particular diseases see QR201.A+

Viruses of particular body organs or systems see

QR171.A1+

Virus structure

450

General works

451

Size

452

Shape

453

Capsid

454

Envelope

456

DNA

458

RNA

460

Protein

462

Enzymes

465

Virus function

467

Biochemistry

469

Adsorption

470

Replication

472

Transformation

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Lysogeny

Effect of environment

478.A1

General works, treatises, and textbooks

	Virology
	Effect of environment -- Continued
478.A2-Z	By agent, A-Z
478.R3	Radiation
478.T4	Temperature
480	Virus-virus interaction
482	Virus-host interaction
484	Virus-vector interaction
500	Viroids
502	Prions

.A2	Ac Actinium
.A3	Ag Silver (Argentum)
	Alabamine see Q1 .A8
.A4	Al Aluminum
.A5	Am Americium
	Antimony see Q1 .S3
	Argentum see Q1 .A3
.A6	Ar Argon
.A7	As Arsenic
.A8	At Astatine (Alabamine)
.A9	Au Gold (Aurum)
.B1	B Boron
.B2	Ba Barium
.B4	Be Beryllium (Glucinum)
.B5	Bi Bismuth
.B55	Bk Berkelium
.B7	Br Bromine
.C1	C Carbon
.C2	Ca Calcium
.C3	Cd Cadmium
	Cassiopeium see Q1 .L8
	Celtium see Q1 .H5
.C4	Ce Cerium
.C45	Cf Californium
.C5	Cl Chlorine
.C55	Cm Curium
.C6	Co Cobalt
.C7	Cr Chromium
.C8	Cs Cesium
	Columbium see Q1 .N3
.C9	Cu Copper (Cuprum)
	Didymium see Q1 .N4
.D8	Dy Dysprosium
.E6	Er Erbium
.E7	Es Einsteinium
.E8	Eu Europium
.F1	F Fluorine
.F4	Fe Iron (Ferrum)
.F5	Fm Fermium
	Ferrum see Q1 .F4
.F7	Fr Francium
.G2	Ga Gallium
.G4	Gd Gadolinium
.G5	Ge Germanium
	Glucinum see Q1 .B4
	Gold see Q1 .A9
.H1	H Hydrogen

.H4	He Helium
.H5	Hf Hafnium (Celtium)
.H6	Hg Mercury (Hydrargyrum)
.H7	Ho Holmium
	Hydrargyrum see Q1 .H6
.I1	I Iodine
	Illinium see Q1 .P5
.I5	In Indium
.I7	Ir Iridium
	Iron see Q1 .F4
.K1	K Potassium (Kalium)
.K6	Kr Krypton
.L2	La Lanthanum
	Lead see Q1 .P3
.L5	Li Lithium
.L8	Lu Lutetium (Cassiopeium)
.L9	Lw Lawrencium
.M3	Md Mendelevium
.M4	Mg Magnesium
.M6	Mn Manganese
	Mercury see Q1 .H6
.M7	Mo Molybdenum
	Natrium see Q1 .N2
.N1	N Nitrogen
.N2	Na Sodium (Natrium)
.N3	Nb Niobium (Columbium)
.N4	Nd Neodymium (Didymium)
.N5	Ne Neon
.N6	Ni Nickel
	Niton see Q1 .R6
.N65	No Nobelium
.N7	Np Neptunium
.O1	O Oxygen
.O7	Os Osmium
.P1	P Phosphorus
.P2	Pa Protactinium
.P3	Pb Lead (Plumbum)
.P4	Pd Palladium
	Plumbum see Q1 .P3
.P5	Pm Promethium (Illinium)
.P6	Po Polonium
	Potassium see Q1 .K1
.P7	Pr Praseodymium
.P8	Pt Platinum
.P9	Pu Plutonium
.R1	Ra Radium
.R3	Rb Rubidium

.R4	Re Rhenium
.R5	Rh Rhodium
.R6	Rn Radon (Niton)
.R9	Ru Ruthenium
.S1	S Sulfur
.S3	Sb Antimony (Stibium)
.S4	Sc Scandium
.S5	Se Selenium
.S55	Sg Seaborgium
.S6	Si Silicon
	Silver see Q1 .A3
.S65	Sm Samarium
.S7	Sn Tin (Stannum)
	Sodium see Q1 .N2
	Stannum see Q1 .S7
	Stibium see Q1 .S3
.S8	Sr Strontium
.T2	Ta Tantalum
.T3	Tb Terbium
.T35	Tc Technetium
.T4	Te Tellurium
.T5	Th Thorium
	Tin see Q1 .S7
.T6	Ti Titanium
.T7	Tl Thallium
.T8	Tm Thulium
	Tungsten see Q1 .W1
.U7	U Uranium
.V2	V Vanadium
.W1	W Tungsten (Wolfram)
.X4	Xe Xenon
.Y1	Y Yttrium
.Y3	Yb Ytterbium
.Z6	Zn Zinc
.Z7	Zr Zirconium

.x	General works
.x2	Particle source
.x3	Effect of particles
.x4	Moments. Resonance. Spin. Symmetry
.x5	Capture. Decay. Lifetime
.x6	Charge. Density. Mass
.x7	Energy spectra. Radiation
.x8	Particle interactions. Scattering
(.x9)	Instrumentation see QC785.5+

.A1	General works
.A3-.Z	By region, country, or island, A-Z
	Offshore islands generally class with adjacent mainland

.x
.x2A-.x2Z

General works
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